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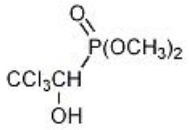
TECHNICAL DATA SHEET OF

TRICHLORFON 90% TC

Chemistry identity	
Common name	Trichlorfon 90% TC
IUPAC name	dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate
CAS No	52-68-6
Formula structure	
Physical and chemical properties	
Appearance	Off-white powder
Content	90%
Acidity	≤ 0.3%
Solubility in water	In water 120 g/l (20 ° C).
Mammalian toxicity	
Acute oral	LD_{50} (rats) >250mg/kg
Acute dermal	LD_{50} for rats >5000 mg/kg
Acute inhalation	LC_{50} (4 h) for rats >2000 mg/m^3
Environment fate	**Animals** In animals, trichlorfon is rapidly absorbed and metabolised. Excretion of the radioactivity in the urine is more or less complete within 6 hours. The major metabolites are dimethylphosphoric acid, monomethylphosphoric acid and conjugates of dichloroacetic acid. **Plants** In plants, trichlorfon is rapidly hydrolysed. The main metabolites are dimethylphosphoric acid, monomethylphosphoric acid and conjugates of dichloroacetic acid and dichloroethanol. **Soil/Environment** Trichlorfon has a relatively high mobility in soil, but it is rapidly metabolised to CO2. Intermediates are dichloroethanol, dichloroacetic acid and trichloroacetic acid. Koc 20 (±10).
Handling and storage	Handling: Avoid contact with skin, eyes and clothing; material may be an irritant. Storage: Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Storage: Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.
Package	25kg drum or customized package