

SPECIFICATION OF CHLORPYRIPHOS TECHNICAL

Common Name	:	Chlorpyrifos
Chemical Name	:	O,O - diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate
CAS No.	:	2921-88-2
Molecular Formula	:	C ₉ H ₁₁ Cl ₃ NO ₃ PS
Molecular Weight	:	350.6
Pesticide Class	:	Organophosphorous
Appearance	:	Yellowish Brown solid free from extraneous matters
Chlorpyrifos Content % Weight/ Weight	:	Min 95%
Acidity as H ₂ SO ₄	:	Max 0.1%
Moisture Content	:	Max. 0.1%
Material Insoluble in Acetone % by Mass	:	Max.0.5 %
Melting Point	:	41.5 – 43.5° C
Toxicity A.I	:	Acute Oral Rat LD ₅₀ : 135-163 mg/ kg Acute Dermal Rabbit LD ₅₀ : > 2000 mg/ kg
Compatibility	:	Incompatible with alkaline material.
Packing	:	250 / 283.5 kg Epoxy Coated M.S.Drums
Shelf Life	:	2 Years

For Devidayal (Sales) Ltd.,

PHYSICAL AND CHEMICAL PROPERTIES OF CHLORPYRIPHOS TECHNICAL

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Chemical Name	:	O,O - diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate
CAS No.	:	2921-88-2
Molecular Formula	:	C ₉ H ₁₁ Cl ₃ NO ₃ PS
Molecular Weight	:	350.6
Pesticide Class	:	Organophosphorous
Appearance	:	Yellow solid free from extraneous matters
Chlorpyrifos Content % Weight/ Weight	:	Min 94%
Acidity as H ₂ SO ₄	:	Max 0.1%
Moisture Content	:	Max. 0.1%
Material Insoluble in Acetone % by Mass	:	Max.0.5 %
Melting Point	:	41.5 – 43.5° C
Vapour Pressure	:	2.7 mPa (25 °C)
Specific Gravity/ Density	:	1.44 (20 °C)
Toxicity A.I	:	Acute Oral Rat LD ₅₀ : 135-163 mg/ kg Acute Dermal Rabbit LD ₅₀ : > 2000 mg/ kg
Compatibility	:	Incompatible with alkaline material.
Packing	:	200 kg Epoxy Coated M.S.Drums
Shelf Life	:	2 Years

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