

Synonyms

Chlorpyrifos 50% + Cypermethrin 5% EC;

Chlorpyrifos:

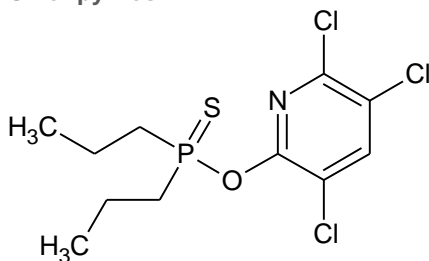
Phosphorothioic acid O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester;
O,O-Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate;

Cypermethrin:

3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano(3-phenoxyphenyl) methyl ester;
(±)-α-Cyano-3-phenoxybenzyl-(±)-*cis,trans*-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate

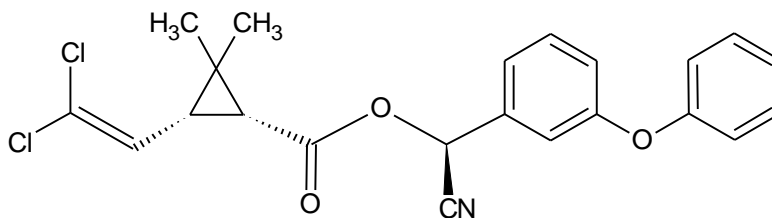
Chemical structure and identity

Chloripyrifos



Molecular formula	C ₉ H ₁₁ Cl ₃ NO ₃ PS
Molecular weight	350.6
CAS number	2921-88-2
EINECS number	220-864-4

Cypermethrin



Molecular formula	C ₂₂ H ₁₉ Cl ₂ NO ₃
Molecular weight	416.3
CAS number	52315-07-08
PRD number	AG402880
EINECS number	257-842-9

Specifications

Appearance	Brown coloured liquid
Chlorpyrifos content	50% minimum
Cypermethrin content	5% minimum
Acidity as H ₂ SO ₄	0.5% maximum
Cold test	Comply
Emulsion test	Comply

Physical properties	Flash point Solubility	More than 24.5°C Forms emulsion in water
Description	BALIO is a brown coloured liquid free from extraneous matter.	
Applications	BALIO is a non-systemic insecticide of organophosphorus and synthetic pyrethroids group with contact and stomach action. The product is used to control chewing and sucking insect pests.	
Packaging	BALIO is available in 100 ml to 5 L pet bottles. Other packaging may be considered on request.	
Storage and handling	Keep containers tightly closed and store in a cool, dry and well-ventilated area. Protect the containers against physical damage. Avoid contact with eyes, skin or clothing. Keep out of reach of children. Always refer to the Safety Data Sheet (SDS) for detailed information on storage and handling.	
Safety	Wear protective gloves, a dust mask and goggles. Keep material away from foodstuffs, beverages and feed. Wash hands thoroughly after handling this product. Do not inhale its vapour or mist. Always refer to the SDS for detailed information on safety.	
First aid	<p>Eye contact: Rinse eyes in open position for several minutes with plenty of water. Consult a physician immediately.</p> <p>Skin contact: Wash the affected area thoroughly with soap and water. Immediately remove clothing contaminated by the product. Consult a physician.</p> <p>Ingestion: If swallowed, do not induce vomiting or give liquid orally. Consult a physician immediately.</p> <p>Inhalation: Avoid inhalation. Shift the affected person to fresh air. In case of irregular breathing or respiratory arrest, provide artificial respiration. Consult a physician immediately on suspicion of intoxication.</p>	
Spills and disposal	In case of spillage and or leakage, absorb the spilled material carefully with suitable liquid-binding material (such as sand, diatomite, acid binders, universal binders or sawdust). Prevent generation of vapour or mist. Do not allow the spilled material to enter sewers, surface or groundwater. Dispose of the contents container(s) in accordance with local, regional, national or international regulations guidelines as applicable.	
Contact	E-mail: crop_care@atul.co.in Website: www.atul.co.in	
Note	BALIO® is a registered trade mark for Chlorpyrifos 50% + Cypermethrin 5% EC which belongs to Atul Ltd.	

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