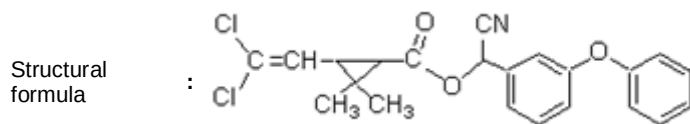


1. Hashi 10EC

Common name : Cypermethrin



Structure of Cypermethrin

Molecular formula : C₂₂H₁₉Cl₂NO₃

Composition : Cypermethrin tech. (95%).....10.75 w/w
Emulsifier10.00 w/w
Xylene/Solvent.....79.25 w/w

Total 100.00 w/w

Formulation type : Emulsifiable Concentrate (EC).

Target pest (registered) :

Others use : Control of a wide range of insects, especially Lepidoptera, but also Coleoptera, Diptera, Hemiptera, and other classes, in fruit (including citrus), vines, vegetables, potatoes, cucurbits, lettuce, capsicums, tomatoes, cereals, maize, soya beans, cotton, coffee, cocoa, rice, pecans, oilseed rape, beet, ornamentals, forestry, etc. Control of flies and other insects in animal houses; and mosquitoes, cockroaches, houseflies and other insect pests in public health. Also used as an animal ectoparasiticide.

Dose :

Pack size : 25ml, 50ml, 100ml, 400ml or customize.

Toxicity : Moderately hazardous, WHO toxicity class II technical grade active ingredients in pesticide. The acute oral LD₅₀ value of Hashi 10EC (Cypermethrin 10%) 41,430mg/kgb.w for rat where active ingredients LD₅₀ value 4,123mg/kgb.w.

Use technique : Foliar application by spray machine.

Mode of action : Non-systemic insecticide with contact and stomach action. Also exhibits anti-feeding action. Good residual activity on treated plants. Cypermethrin is a synthetic pyrethroid and a permethrin analogue. This group of chemicals acts primarily on the basal ganglia of the central nervous system, causing repetitive nerve action through prolongation of sodium permeability during the recovery phase of the action potential of neurons.

Unique feature :

Contamination :

First aid :

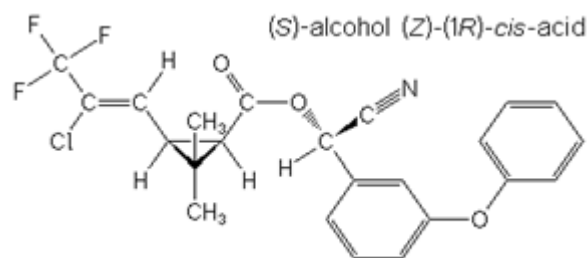
Toxicity class by WHO :

:

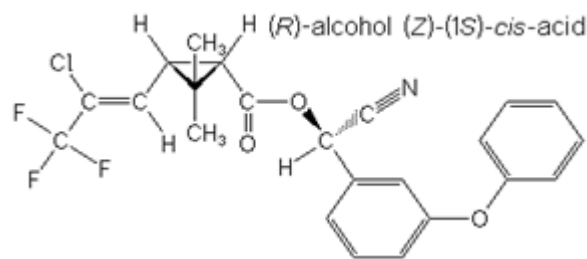
2. Khushi

2.5EC

Common name : Lambda-cyhalothrin



Structural formula :



Structure of Lambda-cyhalothrin

Molecular formula :

C₂₃H₁₉ClF₃NO₃

Composition

Lambda-cyhalothrin tech. (90%).....02.63 w/w
Emulsifier09.00 w/w
Xylene/Solvent.....88.37 w/w
: -----
Total 100.00 w/w

Formulation type :

Emulsifiable Concentrate (EC).

Target pest (registered) :

Others use

: Control of a wide spectrum of insect pests, e.g. aphids, Colorado beetles, thrips, Lepidoptera larvae, Coleoptera larvae and adults, etc., in cereals, hops, ornamentals, potatoes, vegetables, cotton, and other crops. Provides good control of insect-borne plant viruses, at 2-5 g/ha. Also used for control of insect pests in public health.

Dose :

Pack size

: 25ml, 50ml, 100ml, 400ml bottle or customize.

Toxicity

: Moderately hazardous, WHO toxicity class II technical grade active ingredients in pesticide. The acute oral LD₅₀ value of Khushi 2.5EC (Lambda-cyhalothrin 2.5%) 3,160 mg/kg b.w for male rat where LD₅₀ value of active ingredients 79 mg/kgb.w.

Use technique

: Foliar application by spray machine.

Mode of action

: Non-systemic insecticide with contact and stomach action, and repellent properties gives rapid knockdown and long residual activity.

Unique feature :

Contamination :

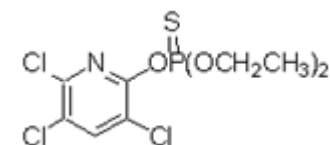
First aid :

Toxicity class by WHO :

3. Shanti 20EC

Common name : Chlorpyrifos

Structural formula :



Molecular formula :

C₉H₁₁Cl₃NO₃PS

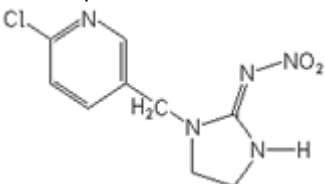
Composition

: Chlorpyrifos tech. (90%).....21.05 w/w

	Emulsifier	10.00 w/w
	Xylene/Solvent	68.95 w/w

	Total	100.00 w/w
Formulation type	: Emulsifiable Concentrate (EC)	
Target pest (registered)	: Potato cut worm	
Others use	: Control of Coleoptera, Diptera, Homoptera and Lepidoptera in soil or on foliage in over 100 crops, including pome fruit, stone fruit, citrus fruit, nut crops, strawberries, figs, bananas, vines, vegetables, potatoes, beet, tobacco, soya beans, sunflowers, sweet potatoes, peanuts, rice, cotton, alfalfa, cereals, maize, sorghum, asparagus, glasshouse and outdoor ornamentals, turf, and in forestry. Also used for control of household pests (Blattellidae, Muscidae, Isoptera), mosquitoes (larvae and adults) and in animal houses.	
Dose	:	
Pack size	:	
Toxicity	: Moderately hazardous, WHO toxicity class II technical grade active ingredients in pesticide. The acute oral LD50 value of Shanti 20EC (Chlorpyrifos 20%) 1,350mg/kgb.w for rat as active ingredients LD50 270mg/kgb.w.	
Use technique	: Foliar application by spray machine	
Mode of action	: Non-systemic insecticide with contact, stomach, and respiratory action.	
Unique feature	:	
Contamination	:	
First aid	:	
Toxicity class by WHO	:	

4. Sampad 20SL

Common name	: Imidacloprid	
Structural formula		
Molecular formula	C9H10ClN5O2	
Composition	: Imidacloprid tech.20.00 %w/w : NP 1010.00 %w/w : DMSC20.00 %w/w : Solvent50.00 %w/w ----- Total 100.00 w/w	
Formulation type	: Soluble (Liquid) Concentrate (SL)	
Target pest (registered)	:	
Others use	: A wide range of use; Target insects include sucking insects (e.g., aphids, whiteflies, leafhoppers and planthoppers, thrips, scales, mealybugs, bugs, psyllids, and phylloxera), beetles (e.g., longhorn beetles, leaf beetles, Colorado potato beetles, rice water-weevils, wireworms, grubs, and flea beetles), and others (e.g., lepidopterous leafminers, some diptera, termites, locusts, and fleas).	
Dose	:	
Pack size	:	
Toxicity	: Moderately hazardous, WHO toxicity class II technical grade active ingredients in pesticide. The acute oral LD50 value of Sampad 20SL (Imidacloprid 20%) 2,250mg/kgb.w for rat as active ingredients LD50 450mg/kgb.w.	
Use technique	: Foliar application by spray machine	
Mode of action	: The mode of action is based on interference of the transmission of impulses in the nerve system of insects. Similar to the naturally occurring signal-transmitting acetylcholine, Imidacloprid stimulates certain nerve cells by acting on a receptor protein. In contrast to acetylcholine, which is quickly degraded by the enzyme acetylcholine-esterase,	

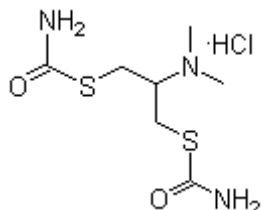
Imidacloprid is inactivated either very slowly or not at all. It has both contact and ingestion activity. The target pest's feeding activity ceases within minutes to hours, and death occurs usually within 24 - 48 hours but can take up to 7 days depending on the mode of application. As to its performance: good reliable control, high selectivity, quick knock-down/protection and long residual activity are key features.

Unique feature :
Contamination :
First aid :
Toxicity class by :
WHO

5. Biddut 50SP

Common name : Cartap

Structural formula :



Molecular formula : C₇H₁₅N₃O₂S₂.HCl

Composition : Cartap tech.21.05 w/w
Emulsifier10.00 w/w
Xylene/Solvent.....68.95 w/w

Total 100.00 w/w

Formulation type : Soluble Powder (SP)

Target pest (registered) :

Others use :

Dose :

Pack size :

Toxicity : Moderately hazardous, WHO toxicity class II technical grade active ingredients in pesticide. The LD₅₀ acute oral value of Biddut 50SP (Cartap Hydrochloride 50%) 690mg/kgb.w for male rat as active ingredients LD₅₀ 345mg/kgb.w.

Use technique : Foliar application by spray machine

Mode of action : Systemic insecticide with stomach and contact action. Insects discontinue feeding, and die of starvation.

Unique feature :

Contamination :

First aid :

Toxicity class by :
WHO

6. Badol 10G

Common name : Diazinon

Structural formula :

Molecular formula :

Composition : Imidacloprid tech. (90%).....21.05 w/w
Emulsifier10.00 w/w
Xylene/Solvent68.95 w/w

Total 100.00 w/w

Formulation type : Granular (G)

Target pest (registered) :

Others use : Diazinon control a wide variety of sucking and leaf eating insects. It is used on rice, fruit trees, sugarcane, corn, tobacco, potatoes and on horticultural plants. It is also an ingredient in pest strips. Diazinon has veterinary uses against fleas and ticks.

Dose :

Pack size :

Toxicity : Moderately hazardous, WHO toxicity class II technical grade active ingredients in pesticide. The acute oral LD50 value of Badol 10G (Diazinon 10%) 4,000mg/kgb.w for male rat as active ingredients LD50 400mg/kgb.w.

Use technique : Direct application

Mode of action : Diazinon is a nonsystemic organophosphate insecticide.

Unique feature :

Contamination :

First aid :

Toxicity class by WHO :

7. Falan 5G

Common name : Carbofuran

Structural formula :

Molecular formula :

Composition : Imidacloprid tech. (90%).....21.05 w/w
 Emulsifier10.00 w/w
 Xylene/Solvent68.95 w/w

 Total 100.00 w/w

Formulation type : Granular (G)

Target pest (registered) :

Others use :

Dose :

Pack size :

Toxicity : Highly hazardous, WHO toxicity class IB technical grade active ingredients in pesticide. The acute oral LD50 value of Falan 5G (Carbofuran 5%) 260/kgb.w for male rat as active ingredients LD50 13mg/kgb.w.

Use technique : Direct application

Mode of action :

Unique feature :

Contamination :

First aid :

Toxicity class by WHO :