



MATERIAL SAFETY DATA SHEET
Amazing 50 EC

IDENTIFICATION OF THE SUPPLIER:

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PRODUCT IDENTIFICATION:

Common Name: Lambda cyhalothrin 1% w/v + tetramethrin 4% w/v + PBO 5% w/v

Trade Name: Amazing 50 EC

Type of formulation : Emulsifiable Concentrate (EC)

Chemical Name:

Lambda- cyhalothrin: [1 α (S*),3 α (Z)]-(\pm)-cyano(3-phenoxyphenyl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate

Tetramethrin: (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate

PBO: 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-1,3-benzodioxole

Chemical Formula:

Lambda cyhalothrin: C₂₃H₁₉ClF₃NO₃

Tetramethrin: C₁₉H₂₅NO₄

PBO: C₁₉H₃₀O₅

Molecular Weight:

Lambda cyhalothrin: 449.9

Tetramethrin: 331.4

PBO: 338.4





PRODUCT COMPOSITION:

<i>Active Ingredient:</i>	<i>% w/v</i>	<i>CAS #</i>
Lambda cyhalothrin	1%	[91465-08-6]
Tetramethrin	4%	[7696-12-0]
PBO	5%	[51-03-6]
<i>Inert ingredient:</i>		
Emulsifier	8%	--
Solvent	Up to 100%	--

HAZARDS IDENTIFICATION:

Health Hazard information: Harmful if swallowed. Moderate irritant to eyes .May cause tingling/numbness in exposed areas.

FIRST AID MEASURES:

Eye contact: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain medical attention.

Skin Contact: Take off immediately all contaminated clothing. Wash skin immediately with cold water, followed by soap and water. Such action is essential to minimize contact with skin. Contaminated clothing should be washed before re-use.

Inhalation: Remove victim to fresh air. Provide artificial respiration, if necessary, get medical attention immediately.

Ingestion: If swallowed, seek medical advice immediately and show this data sheet, if possible. Do not induce vomiting.

FIRE FIGHTING MEASURES:

Keep fire exposed containers cool by spraying with water

Extinguishing Media: For small fires, use foam or water-fog; avoid use of water jet. contain runoff water with ,for example temporary earth barriers

Fire fighting protective equipment: A self contained breathing apparatus and suitable protective clothing must be worn in fire condition.





ACCIDENTAL RELEASE MEASURES:

Personal: Ensure suitable personal protection during removal of spillage this means

Precaution: wearing eye protection, chemically resistant gloves, boots and coveralls.

Clean up: Adsorb spillage onto sand, earth or any suitable adsorbent material

Method: Transfer to container for disposal. Wash the spillage area with water. Washing must be prevented from entering surface water drains.

Spillage or uncontrolled discharges into water courses must be alerted to the department of water affairs/environment.

HANDLING AND STORAGE:

Handling and Storage: Store in cool, dry place away from farm feeds and food stuff, store under lock and key. Keep in original container, tightly sealed.

Storage life: Physical and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

Avoid contact with skin and eyes. When using don't eat, drink or smoke. Wash face and hands before eating, drink or smoking.

EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Respiratory: Approved respiration

Eye and face: Safely goggles or face shield

Hands: Gloves

Body: boots and apron and hat

Ventilation: provide local exhaust

Industrial hygiene: Safety shower and eye wash should be provided at work place. Dont eats, drink or smoke while working. Wash hands before meals and after work with soap.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Yellow liquid.

Odor: Aromatic chemical.

PH: 5-6

Density: 0.92 gm/ml

Flammability (Explosive) limits: Flammable





STABILITY AND REACTIVITY:

Chemical stability: Combustion on thermal decomposition will evolve toxic and irritant vapors

Stable to light, stable on storage at (15-25°C)

TOXICOLOGICAL INFORMATION:

Skin irritation: on irritating to rabbit skin

Eye Irritation: none irritating to rabbit eye

Sensitization skin: It not skin sensitizer in animal tests

Other effect: In human may cause tingle or numbness in exposed area (Paraesthesia).The effect may result from splashes, or transfer to face from contaminated gloves or hands. This effect is transient, lasting up to 24 hours.

Chronic Toxicological Effects/Long term exposure:

Long term exposure: No long term risks to man are associated with this material when handled and used as directed on the label.

ECOLOGICAL INFORMATION:

Toxicity to bees: Toxic to bees

Toxicity to fish: Toxic to fish

DISPOSAL CONSIDERATIONS:

Container Disposal: Empty container retain product residue. Observe all hazard precautions. Do not distribute or make available, furnish or reuse empty container except for storage and shipment of original product .remove all product residue from containers by triple rinsing and puncture or otherwise destroy empty containers before disposal.

