

TRIGGER 5EC™

MATERIAL SAFETY DATA SHEET

SECTION 1 Chemical product and Company identification

Product Name: Trigger 5EC™ (Lambda-cyhalothrin 5%EC)

Chemical name: Reaction product composing of equal quantities of (S)-a-cyano-3-phenoxybenzy 1 (Z)-(*1R,3R*)-3-(2-chloro-3,3,3-trifluoropropeny 1)-2,2-dimethylcyclopropa necarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(*1S,3S*)-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropan carboxylate

Formula: C₂₃H₁₉ClF₃NO₃

Chemical Family: Pyrethroid

Product Use: Commercial Insecticide

Supplier: SINERIA HOLLAND BV
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SECTION 2 Composition/Information on Ingredients

<u>Product Name</u>	<u>Content (%)</u>	<u>CAS RN</u>
Lambda-cyhalothrin	5	91465-08-6

SECTION 3 Hazards Identification

Ingestion: Swallowing can result in nausea, vomiting, diarrhea, abdominal pain, ataxia, unsteady gait, hyper excitability, salivation, tremors and incontinence. Large doses can cause convulsions and loss of consciousness. If the patient is uncoordinated there is a greater likelihood of vomit entering the lungs and

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causing complications.

Eye: A mild eye irritant

Skin: Contact with skin may result in irritation. Can have a degreasing action on the skin. Repeated prolonged skin contact dermatitis. May cause tingling, burning, itching, or numbness in exposed areas which is transient, that last up to 36 hours. Effects can include also those described in the "Ingestion" section.

Inhalation: Inhalation of mists or aerosols may produce respiratory irritation. High levels of exposure may result in effects described in the "Ingestion" section.

SECTION 4 First Aid Measures

Ingestion: Immediately call a poison control center or doctor for treatment advice. If more than 15 minutes from a hospital, induce vomiting. Rinse mouth with water. Have a person sip a glass of water if able to swallow. Do not induce vomiting or give anything by mouth to an unconscious person.

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Remove victim from exposure area. Allow patient to assume most comfortable position and keep warm. Seek medical assistance.

Skin Contact: Take off contaminated clothing. Remove contaminated clothing and rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

- Treat Symptomatically

SECTION 5 Fire Fighting Measures

Suitable extinguish media: Dry chemical, carbon dioxide, foam and water.

Fire fighting instructions: As in any fire, wear self-contained breathing apparatus pressure-demand and full protection gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Use flooding amounts of water as a fog. Avoid breathing vapors. During a fire this product will release smoke and toxic products.

- Non-Combustible product

SECTION 6 Accidental release measures

General and disposal: Use proper protective equipment to minimize personal exposure. Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with regulations.

In case of spillage it is important to take all steps necessary to:

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- Avoid eye and skin contact.
- Avoid contamination of waterways.

Procedure of spill:

- 1) Keep all bystanders away.
- 2) Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves.
- 3) Reposition any leaking containers so as to minimize further leakage. Prevent runoff into drains and waterways.
- 4) Dam and absorb spill with an absorbent material (e.g. sand or soil).
- 5) Shovel the absorbed spill into drums. Ensure area is completely clean.
- 6) Contain in a secure location until disposal method is established.
- 7) Decontaminate the spill area with detergent and water and rinse with water
- 8) Prevent runoff from entering drains and waterways.

SECTION 7 Handling and storage

General: This material is a S3 toxic substance and must be stored, maintained and used in accordance with the relevant regulations.

Handling: Avoid contact with eyes or clothing. Do not use near heat or open fire.

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store in a cool and dry place out of reach of children. Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

SECTION 8 Exposure controls/Personal protection

Eye and face protections: Safety glasses, splash goggles or face-shield.



Skin protections: Long-sleeved shirt and long pants waterproof PVC gloves chemical-resistant footwear. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash hand thoroughly after handling.

Respiratory protection: Ensure adequate ventilation. If not adequate, use a chemical cartridge-type respirator.

SECTION 9 Physical & Chemical properties

Appearance: Light yellow transparent liquid

Solubility in water: Emulsifiable

pH: 6-8

SECTION 10 Stability & Reactivity

Stability: Stable under normal condition

Hazardous Polymerization: Will not occur

SECTION 11 Toxicological Information

Acute Toxicity /Irritation Studies

Ingestion: Acute oral LD₅₀ = 56-79 mg/kg (Rats)

Dermal: LD₅₀ = 1293-1507 mg/kg (Rats)

Acute Inhalation: LC₅₀ = 0.06 mg/L (4hr – Rats)

Eye Contact: Non Irritant

Skin Contact: Slight irritant

Skin Sensitization: Not a sensitizer

SECTION 12 Ecological Information

- Very toxic to fish and aquatic organisms

Toxicity to Fish: LC₅₀ (96h) for Rainbow Trout 44µg/l.

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Toxicity to bees: LD₅₀ (contact) 909 ng/bee; Oral 38 ng/bee.

SECTION 13 Disposal Considerations

Do not contaminate water, food, or feed by disposal. Empty containers should be triple rinsed into the spray tank during operation. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incinerating, or if allowed, by burning. If burned, stay out of smoke.

SECTION 14 Transport Information

UNNo.: 3082

Dangerous goods class: 9

Packaging Group: III

Proper shipping name: PESTICIDE, LIQUID, TOXIC, N.O.S. (CONTAINS LAMBDA-CYHALOTHIRIN 2.5%)

SECTION 15 Regulatory Information

Hazard symbols: TN

Risk Phrases:

(R10) Flammable.

(R22) Harmful if swallowed.

(R23) Toxic by inhalation.

(R37/38) Irritating to respiratory system and skin.

(R41) Risk of serious damage to eyes.

(R50/53) Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

(R65) Harmful: May cause lung damage if swallowed.

Safety Phrases:

(S2) Keep out of the reach of children.

(S13) Keep away from food, drink and animal feeding stuffs.

(S20/21) When using, do not eat, drink or smoke.

(S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

(S35) This material and its container must be disposed of in a safe way.

(S39) Wear eye/face protection.

(S45) In case of accident or if you feel unwell, seek medical assistance

SECTION 16 Other Information

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for with other materials or in processes other than those specifically described herein. Sineria

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