

**Control Solutions, Inc.**  
**5903 Genoa Red Bluff**  
**Pasadena, Texas USA 77507**

**In Case of Emergency, Call**  
**Information: 1-281-892-2500**  
**CHEMTREC: 1-800-424-9300**

**1. CHEMICAL IDENTIFICATION**

Product Name: Cyzmic CS  
 EPA Registration No.: 53883-261  
 Active Ingredient (%): Lambda Cyhalothrin 9.7%  
 Recommended Use: Pesticide

**2. HAZARDS IDENTIFICATION**

**Health:** Caution. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco, or using the toilet.

**Environmental:** This product is extremely toxic to fish. To protect environment, do not allow pesticide to enter or run off into storm drains, drainage stiches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Apply this product only as specified on this label. When making applications, care should be used to avoid household pets, particularly fish and reptile pets.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops if bees are visiting the treatment area.

**Symptoms of**

**Toxicity:** Lambda Cyhalothrin may induce neurotoxic effects including staggering gait, muscle tremors and convulsions.

**Flammability:** Not flammable.

**Reactivity:** Stable under normal conditions.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Material</b>	<b>% by weight</b>	<b>CAS#</b>	<b>ACGIH TLV</b>	<b>OSHA-PEL</b>
Lambda Cyhalothrin	9.7%	91465-08-6	Not established.	Not established.
Other Ingredients:	90.3%			

**4. FIRST AID MEASURES**

**Eye Contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion:** Call poison control center or doctor immediately for treatment advice. Have affected person sip a glass of water if able to swallow. Do not give any liquid to

the person. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

Physician's Information: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

## 5. FIRE FIGHTING MEASURES

Flash Point: Not applicable.

Extinguishing Media: Water fog, foam, CO<sub>2</sub>, water, dry chemical, halogenated agents.

Procedures: Wear self-contained breathing apparatus with full-face piece and protective clothing.

Unusual Fire Hazards: Possible toxic smoke, vapors, fallout and runoff water can result from fires depending on extent of combustion and presence of other combustible materials. Contaminated buildings, areas, and equipment must be properly decontaminated before reuse.

## 6. ACCIDENTAL RELEASE MEASURES

Absorbent: Clay granules, sawdust, or vermiculite. Apply directly to spill and sweep into suitable container. Rinse with water and absorb in similar manner.

Containment: Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible.

Waste

Disposal: Dispose of waste and contaminated material through proper channels. An authorized hazardous waste disposal facility (TSDF) is recommended. Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Reporting: Report all major spills and uncontrolled releases to proper local, state, and federal agencies.

Emergency

Contact #: Chemtrec: 1-800-424-9300

## 7. HANDLING AND STORAGE

Storage Conditions: Store upright at room temperature. Keep container tightly closed when not in use. Avoid exposure to extreme temperatures. In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

Special Handling: Do not contaminate water, food or feed by storage or disposal. 0

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Manufacturing: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines. End use: Generally not required when treatment dilution is used but local exhaust or ventilation may be used if necessary.

Eye Protection: Eye contact with the material should be avoided through the use of chemical safety glasses, goggles, or a face-shield, selected in regard to exposure potential.

Respiratory Protection: Not normally needed for this product when diluted in water for end-use application. When needed, use MSHA/NIOSH approved respirator for pesticides.

Dermal Protection: Chemical resistant gloves, long pants, long-sleeved shirt. Remove and wash contaminated clothing before reuse. Wash separately from other laundry.

Other Precautions: An adequate supply of clean, potable water should be available to allow thorough flushing of skin and eyes in the event of contact with this compound.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor:	Mild odor.
Physical State:	Viscous liquid.
Color:	White.
Vapor Pressure:	Not available.
Bulk Density:	See Specific Gravity.
Molecular Weight:	Not available.
Viscosity:	At $\tau 10$ (10) [Pa·s] (20°C): 0.25 $\eta$
Melting Point:	Not available.
Flash Point:	Will not flash.
Specific Gravity:	1.05 (g/ml).
pH:	6.3
Water solubility:	Disperses.
Refractive Index:	Not available.

## 10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Hazardous	
Polymerization:	Will not occur.
Decomposition Products:	Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, cyanuric acid, biuret, halogen, halogen acids, and trace amounts of carbonyl halide.

## 11. TOXICOLOGICAL DATA

EPA Toxicity Category:	III, Caution
Skin Contact:	Moderately irritating.
Eye Contact:	Minimally irritating.
Oral LD <sub>50</sub> :	>550 mg/kg
Dermal LD <sub>50</sub> :	>5000 mg/kg
Inhalation LC <sub>50</sub> :	>2.04 mg/L
NFPA Classification:	Fire – 0 Health – 2 Reactivity – 0
Other Comments:	Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking.

## 12. ECOLOGICAL DATA

Aquatic:	Lambda cyhalothrin: LC <sub>50</sub> = 0.36 $\mu\text{g/L}$ (rainbow trout)
Avian:	Lambda cyhalothrin: LD <sub>50</sub> = 3950 mg/kg (mallard duck)
Bioaccumulation:	Has potential to bioaccumulate.
Summary:	This product is toxic to fish. Do not contaminate waterways by cleaning equipment or by disposal of wastes. Untreated effluent should not be discharged where it will drain into lakes, streams, or ponds.

## 13. DISPOSAL CONSIDERATION

Pesticide Disposal:	Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.
Container Disposal:	<i>For containers equal to or less than 5 Gallons:</i> Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application

equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available.

*For Containers greater than 5 Gallons:* Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available.

*For bulk containers: (Refillable Container)* Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

#### 14. TRANSPORTION DATA

DOT: Not regulated.  
IATA: Not regulated.  
IMDG: Environmentally hazardous substance, liquid, N.O.S. (9.7% lambda cyhalothrin), UN3082, Class 9, PG III, marine pollutant.  
Federal Motor Carrier Classification: Insecticides, liquid/dry, NOIBN

#### 15. REGULATORY DATA

Section 302/TPQ: (emergency planning) Contains no components listed under section 302.  
Section 304/EHS RQ: (release notification) Contains no components listed under section 304.  
CERCLA RQ: (release notification) Not regulated under CERCLA.  
Section 311/Tier II: (SDS submission) Health hazard: Acute  
Section 313/TRI  
Chemicals: None.  
RCRA Haz-Waste  
Code(s): None.  
CAA TQ: (air emissions) None.

#### 16. OTHER INFORMATION

Date of Last Revision: June 18, 2015

NFPA and HMIS ratings assigned to this product are based on the hazards of its ingredient (s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product SDS.

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