

M A T E R I A L S A F E T Y D A T A S H E E T

Prescription Treatment® brand Cyhalocap™ CS Controlled Release Lambda-Cyhalothrin

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (Prosar)

TRANSPORTATION: 800-424-9300 (Chemtrec)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Prescription Treatment® brand CyhaloCap™ CS
Controlled Release Lambda-Cyhalothrin

EPA Reg. No.: 499-535

Product Code(s): 02-0185 (6 x 1 pt)

EPA Signal Word: CAUTION

Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENT (9.7%)	%	CAS NO.
Lambda-Cyhalothrin	9.7	91465-08-6
OTHER INGREDIENTS* (90.3%)	%	CAS NO.

* All ingredients may not be listed. Ingredients not listed do not meet the reporting requirements of the OSHA Hazard Communication Standard (HCS) as specified in 29 CFR 1910.1200.

EXPOSURE INFORMATION

MATERIAL	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Lambda-Cyhalothrin	NE	NE	NE	NE

SECTION 3. HAZARDS IDENTIFICATION

NOTES TO PHYSICIAN

No specific antidote is available. Treat the patient symptomatically.

SIGNS/SYMPTOMS OF EXPOSURE

Direct contact causes moderate eye and skin irritation.

ROUTES OF ENTRY

Primary: Skin **Secondary:** Ingestion **Tertiary:** Inhalation

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in possible toxic and irritating substances.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known

SECTION 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Describe any symptoms and follow the advice given.

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

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

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

Note to Physician: None

Medical Conditions Generally Aggravated by Exposure: None known

Emergency Telephone Number of Prosar: 800-225-3320 (for medical emergencies)

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (TCC): >185°F

Explosibility Limits in Air (% by volume):

Lower (LEL) = NE Upper (UEL) = NE

NFPA 30B Flammability: NA

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known

IN CASE OF FIRE

Extinguisher Media: Foam, Dry Chemical, Carbon Dioxide, Water

Special Fire Fighting Procedures: Fire fighting personnel should wear full protective equipment and positive pressure self-contained breathing apparatus (SCBA) approved for firefighting. Dike and collect water used to fight fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources and use absorbent material to collect and contain for salvage or disposal. Ventilate area.

This product contains no Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) listed chemicals. Releases of this product are NOT reportable to the National Response Center.

Emergency Telephone Number of Chemtrec: 800-424-9300 (for transportation spills)

PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

Eyes: Use proper protection – safety glasses are recommended.

Skin: Wear chemical-resistant gloves. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Inhalation: Use of a respirator may be appropriate when working with spills in enclosed or confined spaces, or when prolonged exposure to product vapor or spray mist may occur. When using a respirator, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P prefilter. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.

WASTE DISPOSAL METHOD

Do not contaminate water, food or feed by storage or disposal of wastes. Take full or leaking containers to a local disposal company for biological treatment or incineration. Review all local, state and federal regulations concerning health and pollution to determine approved disposal procedures. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

SECTION 7. HANDLING AND STORAGE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. **CAUTION** – Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. When making applications, take care to avoid household pets, particularly fish and reptiles.

OTHER PRECAUTIONS

Remove pets, birds and cover fish aquariums and turn off air pump motor before application. Keep children and pets off treated areas until spray has dried. Avoid contamination of food, feedstuffs or water supply. Do not apply this product to edible growing crops or stored raw agricultural commodities. Do not contaminate food preparation surfaces, kitchen utensils, dishes or feed storage containers. In health care facilities, remove patients prior to treatment. Do not apply to classrooms when in use.

PHYSICAL OR CHEMICAL HAZARDS

Do not apply this product in or around electrical equipment due to the possibility of shock hazard.

STORAGE

Do not contaminate water, food or feed. Store in original container in a secured dry storage area. Keep container tightly closed. Do not store above 122°F for extended periods of time or below 32°F. If exposed to temperatures below 32°F thaw completely and mix well before using.

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand Cyhalocap™ CS Controlled Release Lambda-Cyhalothrin

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required. For prolonged exposure or if used in enclosed or confined areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P prefilter may be used. See 29 CFR 1910.134 for respiratory protection, training, and testing requirements.

Protective Gloves: None required. Chemical resistant gloves are recommended if prolonged or repeated skin contact is likely. (Good practice requires that gross amount of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Eye Protection: Use proper protection – safety glasses are recommended.

Other Protective Equipment: None required

VENTILATION

Local Exhaust: None required

Mechanical: None required

Special: None required

Other: Provide adequate ventilation of treatment area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow-white liquid

Solubility in Water: Disperses

Viscosity: 482 cps @ 73°F

Boiling Point: NE

pH: 7.43 @ 74°F

Odor: Characteristic Lambda-Cyhalothrin odor

Vapor Pressure of propellants: NE

Vapor Density: NE

Freezing/Melting Point: 32°F

Density: 1.0103 g/cm³ @ 68°F

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Stable when stored and used according to label directions.

Conditions to Avoid: Avoid excessive heat.

Incompatibility (Material to Avoid): Oxidizing agents, strong acids and bases

Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in possible toxic and irritating substances.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Skin

Secondary: Ingestion

Tertiary: Inhalation

ACUTE

Skin: Product is moderately irritating to the skin. Acute dermal LD₅₀ > 5,000 mg/kg (rats). Primary skin irritation index = 2.9 (rabbits). Product is not a sensitizer when tested on guinea pigs.

Eyes: Product is moderately irritating to the eyes. Product produced slight conjunctivitis (rabbits) clearing within 72 hr. No corneal opacity or iritis was observed.

Ingestion: Acute oral toxicity LD₅₀ > 5,000 mg/kg (rats).

Inhalation: Encapsulation greatly reduces the toxicity and irritation potential of the active ingredients.

CHRONIC / CARCINOGENICITY

Neither this product nor any of its ingredients are classified as carcinogens by the National Toxicity Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

SECTION 12. ECOLOGICAL INFORMATION

This product is extremely toxic to fish. Do not contaminate water when cleaning equipment or disposing of equipment wash waters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 it to drift to blooming crops or weeds on which bees are actively foraging.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal of container or waste. Dispose of container and waste in accordance with all federal, state and local regulations.

Container Disposal: Empty container by using the product according to the label directions. Do not reuse or refill this container! Triple rinse container (or equivalent) 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 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 2 more times. Place triple rinsed, empty container in trash or offer for recycling if available. If container is partly filled or to dispose of stored rinsate, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

Waste Disposal: Wastes resulting from the use of this product may be disposed of on site according to label directions or at an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

SHIPMENT BY GROUND WITHIN U.S. (DOT CLASSIFICATION)

Proper Shipping Description: Liquid Insecticide (Not Regulated)

Hazard Class: NA

Product in unopened original packaging is compliant with all regulations for ground shipment within the U.S. WMG disclaims any liability for claims or damages that may result from shipment by other means. Packages offered or intended for other modes of transportation are subject to additional requirements. Consult an appropriately trained Shipping Professional before offering for shipment.

SECTION 15. REGULATORY INFORMATION

CERCLA

This product contains no CERCLA listed chemicals.

SARA TITLE III SECTIONS 311/312 HAZARD CLASS

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following category:

Immediate (Acute) Health Hazard

SARA TITLE III SECTION 313 CHEMICALS

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimis concentration level.

TSCA

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SECTION 16. OTHER INFORMATION

NFPA HEALTH RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 0 REACTIVITY - 1

HMIS HAZARD RATING SYSTEM

HEALTH - 1 FLAMMABILITY - 0 REACTIVITY - 1

KEY:	4 = Severe
	3 = High
	2 = Moderate
	1 = Slight
	0 = Minimal

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen Customer Service Department at 800-777-8570.

NA - Not Applicable
NE - Not Established
PEL - Permissible Exposure Limit
TLV - Threshold Limit Value
STEL - Short Term Exposure Limit (15 min)
TWA - Time Weighted Average (8 hr)



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.

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