

# MATERIAL SAFETY DATA SHEET

## Prescription Treatment® brand CY-KICK® CS Controlled Release Cyfluthrin

### EMERGENCY PHONE NUMBERS:

**MEDICAL:** 800-225-3320 (PROSAR)

**TRANSPORTATION:** 800-424-9300 (CHEMTREC)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Prescription Treatment® brand Cy-Kick® CS Controlled Release Cyfluthrin  
**EPA Reg. No.:** 499-304  
**Product Code(s):** 02-0196 (6 x 1 pint)  
02-0197 (4 x 120 fl. oz.)  
02-0195 (1 x 30 gallons)  
**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 INGREDIENTS (6.0%)	%	CAS NO.
Cyfluthrin	6.0%	68359-37-5

#### OTHER INGREDIENTS\* (94.0%)

\* 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
Cyfluthrin	NE	NE	NE	NE

### SECTION 3. HAZARDS IDENTIFICATION

#### SIGNS/SYMPTOMS OF EXPOSURE

Encapsulation greatly reduces the toxicity and irritation potential of the active ingredient. Product may cause mild, reversible eye irritation and moderate skin irritation.

#### ROUTES OF ENTRY

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

None known

#### 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 minutes. 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 minutes. Remove contact lenses, if present, after the first 5 minutes, 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.

**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):** None

**Explosibility Limits of Propellant in Air (% by volume):**

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

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known

#### IN CASE OF FIRE

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

**Special Fire Fighting Procedures:** None required (product is water based)

### 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.

#### 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 – harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not apply to humans, their clothing, or bedding. Do not allow children or pets to contact treated surfaces until spray has dried. Do not contaminate food or use on household pets. Cover fish tanks prior to application.

#### OTHER PRECAUTIONS

Do not apply this product in patient rooms while occupied or in any rooms while occupied by the elderly or infirm. Do not apply to classrooms when in use. Avoid contamination of food, feedstuffs, or water supply. Do not contaminate food preparation surfaces, kitchen utensils, dishes or feed storage containers. Any food/feed contact surfaces and cooking utensils in the treatment area should be covered during treatment or thoroughly cleaned before using. Do not spray where electrical short circuits might result, such as wall outlets, conduits, etc.

#### STORAGE

Do not contaminate water, food or feed. Store in original container in secured, dry storage area. Prevent cross-contamination with other pesticides or fertilizers. Do not store above 122°F for extended periods of time. Preferred storage is above 32°F. Storing below 32°F may result in solidification. If warmed to above 32°F, product will return to original form. Freezing does not adversely affect this product. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated in Section 6.

### 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.

**Protective Gloves:** None required. If prolonged or repeated skin contact is likely chemical resistant gloves are recommended. (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

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Beige yellow liquid

**Solubility in Water:** Disperses

**Viscosity:** NE

**Boiling Point:** 212°F

**pH:** 7.5 – 8.5

**Odor:** Very faint Cyfluthrin odor

**Vapor Pressure:** NE

**Vapor Density:** NE

**Freezing/Melting Point:** 32°F

**Density:** 0.96 g/ml @ 20°C

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### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Stable under normal use conditions  
**Conditions to Avoid:** None known  
**Incompatibility (Material to Avoid):** None known  
**Hazardous Polymerization:** Will not occur

#### HAZARDOUS DECOMPOSITION PRODUCTS

None known

### SECTION 11. TOXOLOGICAL INFORMATION

#### ROUTES OF ENTRY

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

#### ACUTE

**Eyes:** Product produces mild, reversible eye irritation in albino rabbits.  
**Skin:** Product is a moderate skin irritant for rabbits. Acute dermal LD<sub>50</sub> > 5,000 mg/kg (rabbits). Primary skin irritation index = 2.29 (rabbits).  
**Ingestion:** Acute oral toxicity LD<sub>50</sub> > 5,000 mg/kg (rats). Encapsulation greatly reduces the toxicity and irritation potential of the active ingredient.  
**Inhalation:** When sprayed, produces a particle size larger than considered respirable.

#### 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 and aquatic invertebrates. Remove from premises or tightly cover fish tanks and disconnect aerators when applying indoors where such containers are present. 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. Do not contaminate water when disposing of equipment washwater. Apply this product only as specified on the label.

### SECTION 13. DISPOSAL CONSIDERATION

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

**Container Disposal: Containers 1 gallon or less:** Empty container by using the product according to the label directions. Do not reuse container! Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency or call 1-800-CLEANUP for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER. **Containers more than 1 gallon:** Empty container by using the product according to the label directions. Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Waste Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. NEVER PLACE WASTE DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

### SECTION 14. TRANSPORT INFORMATION

This product is not regulated for transportation via any mode of transport.

### SECTION 15. REGULATORY INFORMATION

#### CERCLA

This product contains no CERCLA listed chemicals.

#### SARA TITLE III SECTION 311/312 HAZARD CLASS

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 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 categories:

Acute Health Hazard

#### SARA TITLE III SECTION 313 CHEMICALS

This product contains the following substances subject to the reporting requirements of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and/or 40 CFR Part 372:

Cyfluthrin                      6.0% by weight.

#### 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 INFORMATION<sup>1</sup> = SLIGHT

HEALTH - 1                      FLAMMABILITY - 0                      REACTIVITY - 1

#### KEY:

4 = Severe  
3 = Serious  
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. **For automatic MSDS updates, register at [www.wmmg.com](http://www.wmmg.com).**

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 hrs.)



**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.  
800-777-8570 [www.wmmg.com](http://www.wmmg.com)

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