

# MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN  
RESEARCH LABORATORIES, INC.  
3568 TREE COURT IND. BLVD.  
ST. LOUIS, MO 63122  
EFFECTIVE DATE: AUGUST 11, 2000

Prescription Treatment® brand  
**OPTEM®**  
Cyfluthrin Capsule Suspension  
Formula 1

(800) 777-8570 (8:00 A.M. to 4:30 P.M. CST)  
EMERGENCY PHONE NUMBERS:  
MEDICAL: (800) 225-3320 PROSAR  
TRANSPORTATION: (800) 424-9300 CHEMTREC  
EPA REG. NO.: 499-304

## SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH TLV/TWA	ACGIH STEL	OSHA PEL
Cyfluthrin: 6.0% (CAS #68359-37-5)	NE	NE	NE
Inert Ingredients: 94.0%			

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

## SECTION 2: PHYSICAL DATA

Boiling Point: NA - end use product.	Evaporation Rate: ~1
Specific Gravity (H <sub>2</sub> O = 1): 0.96 @ 20°C	Solubility in Water: Disperses
Percent Volatile: 78%	Appearance and Odor: Beige yellow liquid, characteristic cyfluthrin odor.
pH: 7.5 - 8.5	
Bulk Density: 8.1 lbs./gal.	

## SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: None (ASTM Designation D-13-10-SST) Tag Open Cup  
Extinguishing Media: CO<sub>2</sub>; Dry Chemical; Foam; H<sub>2</sub>O  
Special Firefighting Procedures: None-Water based formulation.  
Unusual Fire and Explosion Hazards: None.

## SECTION 4: HEALTH HAZARD DATA

Threshold Limit Value: NE  
Routes of Entry:

Inhalation?	Skin?	Ingestion?
Tertiary	Secondary	Primary

Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:

**Eye:** Product produces mild, reversible eye irritation in albino rabbits.  
**Skin:** Product is not a skin irritant for albino rabbits or albino guinea pigs. Acute dermal LD<sub>50</sub> > 2,000 mg/kg (rabbits). Primary skin irritation index = 0.17 (rabbits).  
**Ingestion & Inhalation:** Oral LD<sub>50</sub> > 5,000 mg/kg. Encapsulation greatly reduces the toxicity and irritation potential of the active ingredients. When sprayed, produces particle size larger than considered respirable.

Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:

**If Swallowed:** 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.

**If on Skin:** 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.

**If in Eyes:** Hold eyes open and rinse slowly and gently 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.

**Medical Conditions Generally Aggravated by Exposure:** None known.

## SECTION 5: REACTIVITY DATA

Stability: Stable under normal use conditions.

Hazardous Decomposition Products: NA

Hazardous Polymerization: Will not occur.

## SECTION 6: SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled:** If container begins to leak (through puncture, etc.), allow to discharge completely in well ventilated area. Absorb spillage with sand or other inert material. Sweep or scoop up and remove. Then flush with water.

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

**Waste Disposal Method:** *Pesticide Disposal:* Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by disposal. *Container Disposal:* Do not reuse empty container. Triple rinse, wrap container and put in trash.

In case of spillage, this product is subject to reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

## SECTION 7: SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** None required - avoid breathing spray.

**Ventilation:**

**Local Exhaust:** None required.

**Special:** None required.

**Protective Gloves:** None required.

**Eye Protection:** None required.

**Other Protective Equipment:** None required.

**Mechanical:** None required.

**Other:** Ventilate area after treatment.

## SECTION 8: SPECIAL PRECAUTIONS

**Precautions to be taken in handling and storage:** *Hazards to Humans and Domestic Animals:* 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. 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. *Environmental Hazards:* This product is extremely toxic to fish and aquatic invertebrates. Remove from premises or tightly cover fishtanks 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 washwaters. Apply this product only as specified on this label. *Storage:* Do not contaminate water, food or feed by storage. 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 9: HEALTH RATING INFORMATION (NFPA)

Health - 1      Flammability - 0      Reactivity - 1

## SECTION 10: SARA TITLE III/SEC. 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	% by weight
68359-37-5	Cyfluthrin	6.0%

## SECTION 11: DOT SHIPPING INFORMATION

**Proper Shipping Name:** Liquid Insecticide (not regulated)

**Hazard Class:** NA

NA - Not Applicable  
NE - Not Established  
PEL - Permissible Exposure Limit  
ACL - Acceptable Ceiling Level  
MPC - Maximum Peak Concentration

**Product Code:** 02-0600-1 (6 x 16 oz.)  
**Prepared by:** Dana M. Thomas

