

# 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 Preclude® TR Micro Total Release Insecticide

### EMERGENCY PHONE NUMBERS:

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

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

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Prescription Treatment® brand Preclude® TR Micro Total Release Insecticide  
**EPA Reg. No.:** 499-437  
**Product Code:** 09-2120 (12 x 2 oz)  
**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 (4.8%)	%	CAS NO.
Fenoxycarb	4.8	72490-01-8
OTHER INGREDIENTS* (95.2%)	%	CAS NO.
2-propanol	proprietary	67-63-0
Hydrocarbons C3-C4	proprietary	68476-40-4

\* 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
Fenoxycarb	NE	NE	NE	NE
2-propanol	NE	400 ppm	500 ppm	400 ppm
Hydrocarbons C3-C4	NE	NE	NE	1,000 ppm

### SECTION 3. HAZARDS IDENTIFICATION

#### SIGNS/SYMPTOMS OF EXPOSURE

Product causes moderate eye irritation. May cause skin irritation.

#### ROUTES OF ENTRY

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in carbon dioxide and carbon monoxide.

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

### 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.

**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.

**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.

**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 (for propellant):** -156°F (estimated)

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

Lower (LEL) = 1.8%      Upper (UEL) = 9.5%

**NFPA 30B Flammability:** Level 3 Aerosol

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

#### IN CASE OF FIRE

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

**Special Fire Fighting Procedures:** Fire fighting personnel should wear full protective equipment and positive pressure self-contained breathing apparatus (SCBA) approved for firefighting.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources and allow to discharge completely in well ventilated area, then dispose of as directed below.

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, long-sleeved shirt, long pants, chemical-resistant footwear plus socks. (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** – Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Do not contaminate water, food, food stuffs or feed. Remove all pets. Cover fish tanks or remove. Wear long sleeved shirt and long pants, socks and shoes and chemical-resistant gloves (such as Nitrile, Butyl, Neoprene and/or Barrier Laminate).

#### USER SAFETY RECOMMENDATIONS

**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 PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### PHYSICAL AND CHEMICAL HAZARDS

**Extremely Flammable.** Contents under pressure. Keep away from fire, sparks and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow "Directions for Use" on the label very carefully.

#### OTHER PRECAUTIONS

Do not use this product in greenhouses with unvented or defective gas heating systems or when open combustion exists. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. When making applications do not place cans within 10 horizontal feet of any ignition source such as pilot lights, other open flames, or running electrical appliances that cycle off and on. All human occupants and pets must be removed before treatment. Greenhouse must be ventilated according to the requirements of the Worker Protection Standard before reentry.

#### STORAGE

Do not contaminate water, food or feed. Store in a cool, dry place away from heat or open flame and inaccessible to children.

### SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hr. **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Respiratory Protection:** 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:** Wear chemical-resistant gloves such as Nitrile, Butyl, Neoprene and/or Barrier laminate or PVC or Viton. (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:** Long-sleeved shirt, long pants and chemical-resistant footwear plus socks.

# MATERIAL SAFETY DATA SHEET

## Prescription Treatment® brand Preclude® TR Micro Total Release Insecticide

**Restricted Entry Interval (REI):** PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involve contact with anything that has been treated, such as plants, soil or water, is: Coveralls, chemical-resistant gloves such as Barrier laminate or Butyl rubber or Nitrile rubber or Neoprene rubber or PVC or Viton, shoes plus socks.

### VENTILATION

**Local Exhaust:** None required

**Mechanical:** None required

**Special:** None required

**Other:** Greenhouse must be ventilated according to the requirements of the Worker Protection Standard before reentry.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid under pressure

**Solubility in Water:** Disperses

**Viscosity:** 2.69 cps @ 68°F

**Boiling Point:** NE

**pH:** NE

**Odor:** Characteristic 2-propanol odor

**Vapor Pressure:** ≈ 60 psig @ 70°F

**Vapor Density:** NE

**Freezing/Melting Point:** NE

**Specific Gravity:** 0.8125 g/cm<sup>3</sup> @ 68°F (H<sub>2</sub>O = 1.0)

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Indefinite when stored and used according to label directions.

**Conditions to Avoid:** Heat, sparks and open flame

**Incompatibility (Materials to Avoid):** Strong oxidizing agents

**Hazardous Polymerization:** Will not occur

#### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame may result in carbon dioxide and carbon monoxide.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### ROUTES OF ENTRY

**Primary:** Inhalation

**Secondary:** Skin

**Tertiary:** Ingestion

#### ACUTE

**Eyes:** Product produced conjunctival eye irritation in albino rabbit eyes, reversible in 4 days.

Product produced corneal opacity, clearing in 4 days (rabbits). No iritis was observed.

**Skin:** Acute dermal toxicity LD<sub>50</sub> > 2,000 mg/kg (rabbits). Primary skin irritation index = 0.29 (rabbits). Product is not a sensitizer when tested on guinea pigs.

**Ingestion:** Acute oral toxicity LD<sub>50</sub> > 5,000 mg/kg (rats).

**Inhalation:** Acute inhalation toxicity LC<sub>50</sub> > 8.4 mg/L (rats).

#### 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).

This product contains *Fenoxycarb*, a chemical known by the state of California to cause cancer.

### SECTION 12. ECOLOGICAL INFORMATION

This product is highly toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

### 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:** Do not puncture or incinerate! Empty container by using the product according to the label directions. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations. If container is partly full, contact your local solid waste agency for disposal instructions.

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

### SECTION 14. TRANSPORT INFORMATION

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

**Proper Shipping Description:** Consumer Commodity ORM-D

**Package Marking:** Consumer Commodity ORM-D

**Package Labeling:** None required

**Certified Packaging:** Not required

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 categories:

Immediate (Acute) Health Hazard

Fire Hazard

Release of Pressure (Puncture) 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:

Fenoxycarb (CAS# 72490-01-8)

4.8% by weight

#### CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROP 65)

This product contains *Fenoxycarb*, a chemical known to the state of California to cause cancer.

#### 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 - 3      REACTIVITY - 1

#### HMIS HAZARD RATING SYSTEM

HEALTH - 1      FLAMMABILITY - 3      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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