

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand Duraplex™ 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 Duraplex™ TR Micro Total Release Insecticide
EPA Reg. No.: 499-405
Product Code: 09-1922 (12 x 2 oz.)
09-0923 (12 x 6 oz.)
EPA Signal Word: WARNING
Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682

ACTIVE INGREDIENTS (9.6%)	%	CAS NO.
Chlorpyrifos	8.0%	2921-88-2
Cyfluthrin	1.6%	68359-37-5
OTHER INGREDIENTS (90.4%)	%	CAS NO.
Isopropanol	proprietary	67-63-0
Hydrocarbon Propellant Blend	proprietary	68476-01-8

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL		ACGIH TLV	
	STEL	TWA	STEL	TWA
Chlorpyrifos	NE	0.2 mg/m ³	NE	0.2 mg/m ³
Cyfluthrin	NE	NE	NE	NE
Isopropanol	NE	400 ppm	500 ppm	400 ppm
Hydrocarbon Propellant	NE	NE	NE	1000 ppm

SECTION 3. HAZARDS IDENTIFICATION

NOTES TO PHYSICIAN

If symptoms of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine.

SIGNS/SYMPOTMS OF EXPOSURE

May produce eye irritation. Prolonged exposure may cause skin irritation. Excessive exposure may produce signs of cholinesterase depression (see below).

SIGNS OF CHOLINESTERASE DEPRESSION

Discomfort or tightness in chest, difficulty in breathing, stomach pains, nausea, vomiting, diarrhea, cramps, headache, nervousness, weakness, non-active pinpoint pupils or blurred vision. Symptoms may not occur until 1-12 hours after exposure.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in halogen acids 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.

This product contains an organophosphate insecticide.

Eye Contact: Flush eyes with plenty of water. Call a physician if irritation persists.

Ingestion: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

Inhalation: Remove person to fresh air. Apply artificial respiration if indicated. Get medical attention.

Skin Contact: Wash with plenty of soap and water. Get medical attention.

Note to Physician: If symptoms of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine.

Medical Conditions Generally Aggravated by Exposure: None known.

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point (for propellant): -156° F (estimated)

Flammable Limits in Air (% by volume) for propellant:

Lower (LEL) = 1.8%

Upper (UEL) = 9.5%

NFPA 30B Flammability: Level III 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: CO₂, Dry Chemical, Foam

Special Fire Fighting Procedures: None required.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), allow to discharge completely in well ventilated area, then dispose of as directed below. This product contains the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemical Chlorpyrifos which has a reportable quantity (RQ) of 1 lb. A release of more than 12.5 pounds of this product (approx. 100 two ounce containers or 33 six ounce containers) is reportable to the National Response Center (800-424-8802).

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

PROTECTIVE EQUIPMENT

Eyes: None required. Protective eyewear such as goggles, face shield or safety glasses is recommended.

Skin: Wear chemical-resistant gloves (such as Barrier laminate ≥14 mils or Butyl rubber ≥14 mils or Nitrile rubber ≥14 mils or Neoprene rubber ≥14 mils or PVC ≥14 mils or viton ≥14 mils), coveralls, and shoes plus socks.

Inhalation: None required.

WASTE DISPOSAL METHOD

Full or leaking containers should be taken to a local disposal company for biological treatment or incineration. Whitmire Micro-Gen suggests that all Local, State, and Federal regulations concerning health and pollution be reviewed to determine approved disposal procedures. Do not contaminate water, food or feed by storage or disposal.

SECTION 7. HANDLING AND STORAGE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. **WARNING** – May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing of spray mists. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco.

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 OR 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 the "Directions for Use" on the label very carefully.

STORAGE

Do not contaminate water, food or feed by storage or disposal. Store in a cool dry place away from heat or open flame.

MATERIAL SAFETY DATA SHEET

Prescription Treatment® brand Duraplex™ TR Micro Total Release Insecticide

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required.

Protective Gloves: Wear chemical-resistant gloves (such as Barrier laminate ≥14 mils or Butyl rubber ≥14 mils or Nitrile rubber ≥14 mils or Neoprene rubber ≥14 mils or PVC ≥14 mils or viton ≥14 mils).

Eye Protection: None required.

Other Protective Equipment: Wear long-sleeved shirt and long pants, and shoes plus socks.

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: Sprays as a strong mist. **Odor:** Characteristic Chlorpyrifos odor.

pH: NA

Viscosity: NA

Boiling Point: NA

Solubility in Water: Soluble.

Vapor Pressure: ≈ 60 psig @ 70° F

Vapor Density: NA

Freezing/Melting Point: NA

Specific Gravity: 0.8 (H₂O = 1.0)

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Indefinite when used according to label directions.

Conditions to Avoid: Do not spray into open flame or onto very hot surfaces.

Incompatibility (Material to Avoid): None

Hazardous Polymerization: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in halogen acids and carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE

Eyes: Product may produce eye irritation.

Skin: Acute dermal LD₅₀ > 2,000 mg/kg (rabbits). Primary Skin Index = 0.59 (rabbits).

Ingestion and Inhalation: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. Acute oral LD₅₀ = 630 mg/kg.

CHRONIC / CARCINOGENICITY

This product is not classified as a carcinogen 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 highly toxic to fish and aquatic invertebrates. 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 contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

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 hrs)



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.

WMG Part No. 19-0702-4

Effective Date: 5/16/01

Supersedes Revision Dated: 2/23/01

Code #: 191-091