

# 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.)  
09-1923 (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

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### COMPOSITION INFORMATION

ACTIVE INGREDIENTS (9.60%)	%	CAS NO.
Chlorpyrifos	8.00 %	2921-88-2
Cyfluthrin	1.60 %	68359-37-5
OTHER INGREDIENTS* (95.50%)	%	CAS NO.
Isopropanol	proprietary	67-63-0
Isobutane	proprietary	75-28-5
Propane	proprietary	74-98-6

\* 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
Chlorpyrifos	NE	0.2 mg/m <sup>3</sup>	NE	0.2 mg/m <sup>3</sup>
Cyfluthrin	NE	NE	NE	NE
Isopropanol	NE	400 ppm	500 ppm	400 ppm
Isobutane	NE	NE	NE	1000 ppm
Propane	NE	NE	NE	1000 ppm

### SECTION 3. HAZARDS IDENTIFICATION

#### NOTE TO PHYSICIAN

This product contains an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

#### SIGNS/SYMPTOMS OF EXPOSURE

Product causes moderate eye irritation. Prolonged exposure may cause skin irritation. Excessive exposure may produce signs of Cholinesterase depression (see below).

#### SIGNS/SYMPTOMS OF CHOLINESTERASE DEPRESSION

Excessive exposure may cause signs of cholinesterase inhibition including discomfort or tightness in chest, difficulty in breathing, stomach pain, nausea, vomiting, diarrhea, cramps, headache, nervousness, weakness, non-active pinpoint pupils, or blurred vision. Symptoms may not occur until 1 to 12 hours after exposure. Note: when used according to label directions, this level of exposure will not be attained.

#### ROUTES OF ENTRY

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

#### 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.

**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.

**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.

**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.

**Note to Physician:** This product contains an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

**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 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:** Dry Chemical, Water  
**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.), eliminate all ignition sources and 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 his 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, coveralls, chemical resistant footwear plus socks, and chemical resistant head gear for over head exposure. (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, P or HE 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. 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 spray mist. 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 "Directions for Use" on the label very carefully.

#### OTHER PRECAUTIONS

Contents of container must be at room temperature before use. Therefore, cans must be stored at room temperature (above 65°F) for 24 hours before application. Make sure spray is unobstructed above units by foliage or other physical objects in order to obtain maximum distribution of fog.

#### 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 24 hours.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Respiratory Protection:** Wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P filter.

**Protective Gloves:** Wear chemical resistant gloves such as Barrier laminate ≥14 mils or Butyl rubber ≥14. (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:** Protective eyewear such as goggles, face shield or safety glasses is recommended.

**Other Protective Equipment:** Coveralls over long-sleeved shirt and long pants. Chemical resistant

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footwear plus socks. Chemical resistant headgear for overhead exposure.

**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 over short sleeved shirt and short pants; chemical resistant gloves such as Barrier laminate  $\geq 14$  mils or Butyl rubber  $\geq 14$  mils or Nitrile rubber  $\geq 14$  mils or Neoprene rubber  $\geq 14$  mils or PVC  $\geq 14$  mils or viton  $\geq 14$  mils, chemical resistant footwear plus socks and chemical resistant headgear for over head exposures. Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

### VENTILATION

**Local Exhaust:** None required  
**Mechanical:** None required  
**Special:** None required  
**Other:** Provide adequate ventilation

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Sprays as a strong mist  
**Solubility in Water:** Soluble  
**Viscosity:** NA  
**Boiling Point:** NE  
**pH:** NE  
**Odor:** Characteristic chlorpyrifos odor  
**Vapor Pressure:** 60 psig @ 70°F  
**Vapor Density:** NE  
**Freezing/Melting Point:** NE  
**Density:** 0.8 g/ml @ 20°C (H<sub>2</sub>O = 1.0)

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Indefinite when stored as directed  
**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. TOXOLOGICAL INFORMATION

#### ROUTES OF ENTRY

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

#### ACUTE

**Eyes:** Product may produce eye irritation.  
**Skin:** Acute dermal LD<sub>50</sub> > 2,000 mg/kg (rabbits). Primary skin irritation index = 0.59 (rabbits). Product is a sensitizer when tested on guinea pigs. Ingestion: Acute oral toxicity LD<sub>50</sub> = 630 mg/kg (rats). Inhalation: Acute inhalation toxicity LC<sub>50</sub> = 0.82 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).

### SECTION 12. ECOLOGICAL INFORMATION

Not applicable. Product is not used outdoors.

### SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal of container or waste. Dispose of container 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 or call 1-800-CLEANUP 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:** None required

#### SHIPMENT BY WATER (IMDG CLASSIFICATION)

**Proper Shipping Description:** "Aerosols, 2.1 UN 1950, Marine Pollutant (Chlorpyrifos)"  
**Package Marking:** "Aerosols UN 1950"  
**Package Labeling:** "Flammable Gas and Marine Pollutant"  
**Certified Packaging:** Use UN certified packaging

#### SHIPMENT BY AIR (ICAO/IATA CLASSIFICATION)

**Proper Shipping Description:** "Aerosols, 2.1, UN 1950, LTD.QTY."  
**Package Marking:** "Aerosols, UN 1950, LTD.QTY."  
**Package Labeling:** "Flammable Gas"  
**Certified Packaging:** None required  
**Other Requirements or Instructions:** Complete air bill with packing instruction 'Y203, ERG code 10L.

### SECTION 15. REGULATORY INFORMATION

#### CERCLA

This product contains the CERCLA listed chemical Chlorpyrifos which has a reportable quantity (RQ) of 1lb.

#### 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:

Immediate 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:

cyfluthrin      1.6% by weight

#### STATE RIGHT-TO-KNOW

This product contains a component cited on certain state lists as mentioned.  
Chlorpyrifos      CAS No. 2921-88-2      List NJ3, PA1, PA3  
NJ3 = New Jersey Workplace Hazardous Substance (present at or = to 1.0%)  
PA1 = Pennsylvania Hazardous Substance (present at > or = to 1.0%)  
PA3 = Pennsylvania Environmental Hazardous Substance (present at . or = to 1.0%)

#### 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 - 2      REACTIVITY - 1

#### HMIS HAZARD RATING INFORMATION

HEALTH - 1      FLAMMABILITY - 2      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.  
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