

# MATERIAL SAFETY DATA SHEET

## Prescription Treatment® brand Fungaflor® TR Dry Micro Total Release Fungicide

### EMERGENCY PHONE NUMBERS:

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

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

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Prescription Treatment® brand Fungaflor® TR Dry Micro Total Release Fungicide  
**EPA Reg. No.:** 499-508  
**Product Code(s):** 09-2379 (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 INGREDIENTS (14.0%)	%	CAS NO.
Imazalil	14.0	35554-44-0
OTHER INGREDIENTS* (86.0%)	%	CAS NO.
Isopropanol	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
Imazalil	NE	NE	NE	NE
Isopropanol	NE	400 ppm	500 ppm	400 ppm
Hydrocarbons C3-C4	NE	NE	NE	1,000 ppm

### SECTION 3. HAZARDS IDENTIFICATION

#### SIGNS/SYMPTOMS OF EXPOSURE

Harmful if swallowed. Slightly irritating to the skin and causes moderate eye irritation.

#### ROUTES OF ENTRY

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Volatile Hydrocarbon vapors.

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130°F may cause bursting. Vapors are heavier than air and may travel along the ground or may be moved by ventilation systems and ignited.

### 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.

**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.

**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.

**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 (TCC):** Concentrate = 44.6°F

**Flame Projection:** > 18"

**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. Vapors are heavier than air and may travel along the ground or may be moved by ventilation systems and ignited.

#### IN CASE OF FIRE

**Extinguisher Media:** CO<sub>2</sub>, Dry Chemical, Water, Foam

**Special Fire Fighting Procedures:** Self contained breathing equipment. Remove personnel in general area. Stop release of materials if possible. Cool with water spray.

### 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. (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. Causes moderate eye irritation. Avoid contact with eyes or clothing.

#### USER SAFETY RECOMMENDATIONS

**Users Should:** Wash hands thoroughly 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.

#### OTHER PRECAUTIONS

When making the application 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.

#### PHYSICAL OR CHEMICAL HAZARDS

**Flammable.** Contents under pressure. Keep away from heat, sparks and open flame. 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. Store in a cool, dry area away from heat or open flame and inaccessible to children.

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### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hr.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Respiratory Protection:** None required when used according to label directions. 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 Barrier Laminate or Butyl Rubber or Nitrile Rubber or Neoprene Rubber or PVC or Viton. (Good practice requires that gross amounts 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, socks and shoes

**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:** Provide adequate ventilation

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Fine particle spray mist

**Odor:** Typical of alcohols

**Solubility in Water:** Disperses

**Vapor Pressure:** NA

**Viscosity:** 3.92 cps @ 73°F (concentrate)

**Vapor Density:** NA

**Boiling Point:** NE

**Freezing/Melting Point:** NE

**pH:** 7.14 @ 75°F (1% dispersed in water)

**Density:** 0.8854 g/cm<sup>3</sup> @ 68°F (concentrate)

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

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

**Conditions to Avoid:** Open flame, sparks, and high temperatures.

**Incompatibility (Material to Avoid):** Oxidizing agents, caustics, acids, amines, aldehydes and chlorinated compounds.

**Hazardous Polymerization:** Will not occur

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Volatile Hydrocarbon vapors

### SECTION 11. TOXICOLOGICAL INFORMATION

#### ROUTES OF ENTRY

**Primary:** Ingestion

**Secondary:** Skin

**Tertiary:** Inhalation

#### ACUTE

**Eyes:** Product produced minimal irritation for the first 24 hr. No corneal opacity or iritis was observed. All irritation subsided in 48 hr.

**Skin:** Product was slightly irritating when tested on rabbits. Acute dermal LD<sub>50</sub> > 5,000 mg/kg (rats). Primary skin irritation index = 1.8. Product is not a sensitizer when tested on guinea pigs.

**Ingestion:** Acute oral toxicity LD<sub>50</sub> > 1,750 mg/kg (rats).

**Inhalation:** Unlikely due to product being pressurized and producing particles large enough not to be respirable. Acute inhalation toxicity LC<sub>50</sub> > 2.18 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. Dispose of container and wastes 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:** None required

#### SHIPMENT BY WATER (IMDG CLASSIFICATION) OR BY AIR (ICAO/IATA CLASSIFICATION)

No information available

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. Consult appropriately trained shipping professional before offering for shipment by water or air.

### 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:

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:

Imazalil (CAS #35554-44-0) 14.0% 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 - 2 FLAMMABILITY - 4 REACTIVITY - 1

#### HMIS HAZARD RATING INFORMATION

HEALTH - 2 FLAMMABILITY - 4 REACTIVITY - 1

KEY: 4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

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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Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen Customer Service Department at 800-777-8570.