

# MATERIAL SAFETY DATA SHEET

## Prescription Treatment® brand PYRI-SHIELD® EC Emulsifiable Concentrate Premise 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 PYRI-SHIELD® EC Emulsifiable Concentrate Premise Insecticide  
**EPA Reg. No.:** 1021-1620-499  
**Product Code(s):** 02-0290 (6 x 1 pt)  
**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 (1.3%)	%	CAS NO.
Pyriproxyfen	1.3	95737-68-1
OTHER INGREDIENTS* (98.7%)	%	CAS NO.
Petroleum Distillate	> 10.0	64742-47-8
Glycol Ethers	< 2.0	112-34-5

\* 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
Pyriproxyfen	NE	NE	NE	NE
Petroleum Distillate*	NE	NE	NE	200 mg/m <sup>3</sup>
Glycol Ethers	NE	NE	NE	NE

\* TWA recommended by ingredient supplier = 100 ppm (525 mg/m<sup>3</sup>)

### SECTION 3. HAZARDS IDENTIFICATION

#### NOTE TO PHYSICIAN

Contains petroleum distillate – vomiting may cause aspiration pneumonia.

#### SIGNS/SYMPTOMS OF EXPOSURE

Direct contact with eyes causes moderate irritation. Harmful if absorbed through the skin. Prolonged or repeated exposure to skin can cause irritation. Can cause a burning sensation on more sensitive areas such as face, eyes or mouth. May be harmful if swallowed. Aspiration of small amounts of this product during ingestion or vomiting may cause mild to severe lung injury. Inhalation of product spray mist, fog or vapor may be irritating to the nose, throat and lungs.

#### ROUTES OF ENTRY

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition under fire conditions this product may yield toxic gasses such as carbon monoxide, carbon dioxide and nitrogen oxides.

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

This product is a combustible liquid. Under fire conditions this product will support combustion.

### 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:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. 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:** Contains petroleum distillate – vomiting may cause aspiration pneumonia.

**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):** 153°F

**Flame Projection:** NA

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

Lower (LEL) = NE      Upper (UEL) = NE

**Flammable Class:** OSHA-COMBUSTIBLE LIQUID

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

This product is a combustible liquid. Under fire conditions this product will support combustion.

#### IN CASE OF FIRE

**Extinguisher Media:** Carbon dioxide, dry chemical, foam

**Special Fire Fighting Procedures:** Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream. Contain the run-off, if possible, for proper disposal.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources and stop release, if possible without risk. Dike and contain release or use appropriate absorbent material to collect and contain for salvage or disposal. Isolate and control access to the release area. Ventilate area. Do not let spilled or leaking material enter watercourse. This product is highly toxic to aquatic life.

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 or absorbed through skin. Do not breathe vapors or spray mist. Avoid contact with skin or eyes. In case of contact, flush with plenty of water. Wash with soap and warm water after use. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs.

#### OTHER PRECAUTIONS

Do not apply as a space spray while food processing is underway. Cover or remove all food and food processing surfaces. Thoroughly wash all food processing surfaces before reuse. When used in hospital rooms, convalescent hospital rooms, and nursing home rooms, patients should be removed prior to treatment. Ventilate treated rooms for 2 hr after treatment. Do not return patients to treated room until after ventilation.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

#### ELECTROSTATIC ACCUMULATION HAZARD

This product contains petroleum distillates for which there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading and transfer of this product.

#### STORAGE

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

# MATERIAL SAFETY DATA SHEET

## Prescription Treatment® brand PYRI-SHIELD® EC Emulsifiable Concentrate Premise Insecticide

### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Respiratory Protection:** None required. 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:** Chemical-resistant gloves are recommended if prolonged or repeated skin contact is likely. (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:** None required

#### VENTILATION

**Local Exhaust:** Local ventilation may be required.

**Mechanical:** Mechanical ventilation is recommended.

**Special:** None required

**Other:** Ventilate area after treatment is completed.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, light amber liquid

**Solubility in Water:** Partially miscible

**Viscosity:** 10.5 cps @ 73°F

**Boiling Point:** NE

**pH:** 7.8 (1.3% in water)

**Odor:** Characteristic Petroleum Distillate odor

**Vapor Pressure:** NE

**Vapor Density:** Heavier than air

**Freezing/Melting Point:** NE

**Density:** 0.847 g/cm<sup>3</sup> @ 68°F (Water = 1)

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Keep away from heat, sparks or open flame.

**Incompatibility (Material to Avoid):** Not compatible with strong acids, bases or oxidizing agents.

**Hazardous Polymerization:** Will not occur.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition under fire conditions this product may yield toxic gasses such as carbon monoxide, carbon dioxide and nitrogen oxides.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### ROUTES OF ENTRY

**Primary:** Skin

**Secondary:** Inhalation

**Tertiary:** Ingestion

#### ACUTE

**Eyes:** Causes moderate eye irritation. Irritation clearing by day 7.

**Skin:** Moderate irritation at 72 hr. Acute dermal LD<sub>50</sub> > 2,000 mg/kg (rabbits). Primary skin irritation index = 2.17. Product is not a sensitizer when tested on guinea pigs.

**Ingestion:** If taken internally, aspiration of liquid product can cause chemical pneumonitis. Acute oral toxicity LD<sub>50</sub> > 5,000 mg/kg (rats).

**Inhalation:** Excessive inhalation may be irritating to the respiratory tract. Acute inhalation LC<sub>50</sub> > 7.60 mg/L/4 hr (rats).

#### CHRONIC / CARCINOGENICITY

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by the American Conference of Governmental Industrial Hygienists (ACGIH), National Toxicity Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA) as being carcinogens.

### SECTION 12. ECOLOGICAL INFORMATION

This pesticide 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 by cleaning of equipment or disposal of equipment wash waters.

### 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:** Empty container by using the product according to the label directions. Do not reuse this container. Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

**Waste Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN.

### SECTION 14. TRANSPORT INFORMATION

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

**Proper Shipping Description:** Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

**Hazard Class:** Non-Hazardous

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 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

#### 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:

Glycol Ethers (CAS #112-34-5)

< 2.0% 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 - 1 FLAMMABILITY - 2 REACTIVITY - 1

#### HMS HAZARD RATING SYSTEM

HEALTH - 1 FLAMMABILITY - 2 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. For automatic MSDS updates, register at [www.wmng.com](http://www.wmng.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 hr)



**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.

Effective Date: 08/09/07  
Review Date: 08/09/07  
Supersedes: 07/16/01  
Text ID: 080129-4  
Code #: NA  
Part No. 19-0088-04