

# 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 Pyreth-It® Pyrethrum 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 Pyreth-It® Pyrethrum Insecticide  
**EPA Reg. No.:** 1021-1091-499  
**Product Code(s):** 09-1134 (6 x 1 qt)  
 09-1135 (4 x 1 gal)  
**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 (66.0%)	%	CAS NO.
Pyrethrins	6.00	8003-34-7
Piperonyl Butoxide, Technical	60.00	51-03-6
OTHER INGREDIENTS* (34.0%)	%	CAS NO.
Petroleum Distillate	> 10.00	64742-47-8
Glycol Ethers	< 3.00	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
Pyrethrins	NE	NE	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Piperonyl Butoxide, Technical	NE	NE	NE	NE
Petroleum Distillate*	NE	500 ppm	NE	NE
Glycol Ethers	NE	NE	NE	NE

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

### SECTION 3. HAZARDS IDENTIFICATION

#### NOTES TO PHYSICIAN

Contains petroleum distillate – vomiting may cause aspiration pneumonia.

#### SIGNS/SYMPTOMS OF EXPOSURE

Direct contact with eyes causes moderate irritation. Prolonged or repeated exposure to skin can cause irritation and reddening of skin. Can cause a burning sensation on more sensitive areas such as face, eyes or mouth. If swallowed, product can cause nervous system disorders such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness. Inhalation of product spray mist, fog or vapor may cause irritation to nose, throat and lungs. Aspiration of small amounts of this product during ingestion or vomiting may cause mild to severe lung injury. A few cases of extrinsic asthma have been reported for Pyrethrins.

#### 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.

### 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.

**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.

**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.

**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):** 166°F

**Flame Projection:** NA

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

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

**NFPA 308 Flammability:** NA

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

This product is a combustible liquid.

#### 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. Do not let spilled or leaking material enter watercourse. This product is highly toxic to aquatic life. Use absorbent material to collect and contain for salvage or disposal. Ventilate area. This product contains the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) listed chemical *Pyrethrins* which has a reportable quantity (RQ) of 1 lb. A release of more than 16.7 lbs of this product (approx. 2 gal) is reportable to the National Response Center (800-424-8802).

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

#### PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

**Eyes:** Wear safety glasses with side shields, goggles or face shield.

**Skin:** Wear chemical-resistant gloves such as Barrier laminate, Nitrile rubber, Neoprene rubber or Viton. Also wear long sleeved shirt, long pants and shoes 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** – Causes moderate eye irritation. Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco. Remove and wash contaminated clothing before reuse.

#### 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.

#### OTHER PRECAUTIONS

Do not apply as a space spray while food processing is underway. Remove pets and birds and cover fish aquariums and turn off air pump motor before spraying. 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. Keep unprotected persons out of treatment area until sprays have dried.

#### PHYSICAL AND CHEMICAL HAZARDS

**Combustible.** Do not use or store near heat or open flame.

#### STORAGE

Do not contaminate water, food or feed. Keep container tightly closed. Store in a cool, dry area inaccessible to children.

# MATERIAL SAFETY DATA SHEET

## Prescription Treatment® brand Pyreth-It® Pyrethrum Insecticide

### 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:** None required for typical use exposure. See Section 6 for atypical exposure.

**Protective Gloves:** Wear chemical-resistant gloves such as Barrier laminate, Nitrile rubber, Neoprene rubber 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:** Wear safety glasses with side shields, goggles or face shield.

**Other Protective Equipment:** Long sleeved shirt, long pants and shoes plus socks

**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, Nitrile rubber, Neoprene rubber or Viton; shoes plus socks; protective eyewear.

### 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, amber-brown liquid

**Odor:** Characteristic Pyrethrum odor

**Solubility in Water:** Disperses

**Vapor Pressure:** NE

**Viscosity:** 26.3 cps @ 73°F

**Vapor Density:** Heavier than air

**Boiling Point:** NE

**Freezing/Melting Point:** NE

**pH:** 6.2 (3.7% in H<sub>2</sub>O)

**Density:** 0.975 g/ml @ 68°F (Water = 1)

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Keep away from heat, sparks or open flame. Decomposes at high temperatures.

**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 present at 21 days.

**Skin:** Prolonged or repeated exposure can cause irritation and reddening of the skin. All irritation cleared by 72 hr. Acute dermal LD<sub>50</sub> > 2,000 mg/kg (rabbits). Primary skin irritation index = 1.25. 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:** Harmful if inhaled. Acute inhalation LC50 > 2.71 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. For terrestrial uses: do not apply directly to water, 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 wash waters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance

with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### 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. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned stay out of smoke. 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

#### DOT CLASSIFICATION (≤ 2 GAL)

**Proper Shipping Description:** Liquid Insecticide (Not Regulated)

**Hazard Class:** NA

#### DOT CLASSIFICATION (> 2 GAL)

**Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S.

**Hazard Class:** 9

**UN I.D. NO.:** UN 3082

**Packing Group:** III

**Proper Shipping Description:** Environmentally Hazardous Substance, Liquid, N.O.S. (Pyrethrins), 9, UN 3082, PG III, RQ

**Package Labeling:** Class 9 (Misc. Hazard)

**Package Marking:** Environmentally Hazardous Substance, Liquid, N.O.S. (Pyrethrins), UN 3082, RQ  
**ICAO/IATA Packaging Instructions:** Complete air bill with packing instruction 914, ERG code 9L and Cargo only.

**Other Requirements:** UN approved packaging 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 the CERCLA listed chemical *Pyrethrins* which has a reportable quantity (RQ) of 1 lb.

#### 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:

Piperonyl Butoxide, Technical (CAS #51-03-6)

60.0% by weight

Glycol Ethers (CAS #112-34-5)

< 3.0% 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

#### HMIS 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.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 hr)



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

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