

# MATERIAL SAFETY DATA SHEET

## 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 Quart)  
09-1135 (4 x 1 Gallon)  
**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 (2.836%)	%	CAS NO.
Pyrethrins	6.00%	8003-34-7
Piperonyl Butoxide, Technical	60.00%	51-03-6
OTHER INGREDIENTS* (97.164%)	%	CAS NO.
Petroleum Distillate	> 10.00%	64742-47-8
Glycol Ethers	< 2.40%	113-34-5

\* 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	NE	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

#### SIGNS/SYMPTOMS OF EXPOSURE

Will cause temporary tearing and blurred vision if in eyes. 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. Excessive inhalation can cause nasal and respiratory irritation. A few cases of extrinsic asthma have been reported for Pyrethrum.

#### ROUTES OF ENTRY

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

None known.

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known.

### 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.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by 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.

**Eye Contact:** Hold eyes open and rinse slowly and gently 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.

**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):** 164° F (73.3° C)

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

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

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known.

#### IN CASE OF FIRE

**Extinguisher Media:** CO<sub>2</sub>, 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 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 (approximately 2 gallons) 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. (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. CAUTION: Harmful if swallowed, absorbed through skin or inhaled. Causes eye irritation. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or spray mist. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

#### 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

Do not use or store near heat or open flame.

#### OTHER PRECAUTIONS

Do not smoke, eat, drink or apply cosmetics in the work area! Wash at the end of each work shift and before eating, smoking and using the toilet. This product contains petroleum distillates for which there is the potential for electrostatic accumulation. Proper grounding procedures should be used when transferring this material.

#### STORAGE

Keep away from children. Do not contaminate water, food or feed by storage. Store containers upright and closed. Store in areas that are cool, dry and well ventilated. Keep away from heat, ignition sources and strong oxidizers. Emptied containers may retain product residues

### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Respiratory Protection:** None required when used according to label directions. For prolonged exposure or if used in enclosed areas, a NIOSH approved respirator with an organic

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

vapor (OV) cartridge or canister with any R, P, or HE prefilter may be used.  
**Protective Gloves:** Chemical resistant gloves are recommended. (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:** Use proper protection – safety glasses are recommended.  
**Other Protective Equipment:** Wear long-sleeved shirt, long pants and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### VENTILATION

**Local Exhaust:** None required.  
**Mechanical:** None required.  
**Special:** None required.  
**Other:** Ventilate area after treatment.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Beige-yellow liquid spray.  
**Solubility in Water:** Disperses  
**Viscosity:** NE  
**Boiling Point:** NA  
**pH:** 6.0 – 7.0  
**Odor:** Characteristic Pyrethrin odor.  
**Vapor Pressure:** 50 psig @ 70°F  
**Vapor Density:** NA  
**Freezing/Melting Point:** NE  
**Density:** 0.995 g/ml @ 20° C

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Stable  
**Conditions to Avoid:** Strong acidic or alkaline materials.  
**Incompatibility (Material to Avoid):** None known.  
**Hazardous Polymerization:** Will not occur.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition in open flame will result in possible toxic substances.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### ROUTES OF ENTRY

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

#### ACUTE

**Eyes:** Product is not an eye irritant for albino rabbits.  
**Skin:** Product is not a skin irritant for albino rabbits. Acute dermal toxicity – LD<sub>50</sub> > 2,000 mg/kg (rabbits).  
**Ingestion:** Acute oral toxicity – LD<sub>50</sub> > 5,000 mg/kg (rats).  
**Inhalation:** Product is pressurized and produces particles large enough not to be respirable. A few cases of extrinsic asthma have been reported for pyrethrum.

#### 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

This pesticide is highly toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters. 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. 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. Dispose of container and wastes in accordance with all Federal, state and local regulations.

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.

Effective Date: 4/29/04  
Review Date: NA  
Supersedes: 4/20/01  
Code #: NA  
Text ID: 031208-3  
Part Number: 19-0101-03

**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 or call 1-800-CLEANUP for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!  
**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

#### 6 x 1 QUART

#### SHIPMENT BY GROUND, WATER OR AIR (DOT, IMDG & IATA CLASSIFICATION)

**Proper Shipping Description:** Liquid Insecticide (Not Regulated)  
**Package Marking:** None required  
**Package Labeling:** None required  
**Certified Packaging:** Not required

#### 4 x 1 GALLON

#### SHIPMENT BY GROUND OR WATER (DOT & IMDG CLASSIFICATION)

**Proper Shipping Description:** Environmentally Hazardous Substance, Liquid, N.O.S., (Pyrethrins), 9, UN 3082, III, RQ  
**Package Marking:** "Environmentally Hazardous Substance, Liquid, N.O.S., (Pyrethrins), UN 3082, RQ"  
**Package Labeling:** Class 9 (Misc. Hazard)  
**Certified Packaging:** REQUIRED

#### SHIPMENT BY AIR (IATA CLASSIFICATION)

**Proper Shipping Description:** Environmentally Hazardous Substance, Liquid, N.O.S., (Pyrethrins), 9, UN 3082, III, RQ  
**Package Marking:** "Environmentally Hazardous Substance, Liquid, N.O.S., (Pyrethrins), UN 3082, RQ"  
**Package Labeling:** Class 9 (Misc. Hazard)  
**Certified Packaging:** REQUIRED  
**Other Requirements or Instructions:** Complete air bill with packing instruction 914, ERG code 9L and list as "Cargo Only".

### 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:

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 (CAS #51-03-6)      60.0% by weight  
Glycol Ethers (CAS #113-34-5)      < 2.40 % 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 INFORMATION

HEALTH - 1      FLAMMABILITY - 2      REACTIVITY - 1

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