

# 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® Formula 2 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 Formula 2 Pyrethrum Insecticide  
**EPA Reg. No.:** 499-475  
**Product Code:** 02-4670 (6 x 1 Pint)  
**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%)	%	CAS NO.
Pyrethrins	6.0	8003-34-7
Piperonyl Butoxide	60.0	51-03-6
OTHER INGREDIENTS* (34%)	%	CAS NO.
Petroleum Distillate	proprietary	64742-47-8

\* 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	NE	5mg/m <sup>3</sup>
Piperonyl Butoxide	NE	NE	NE	NE
Petroleum Distillate*	NE	NE	NE	NE
Naphthalene	NE	10ppm	15ppm	10ppm

\* TWA recommended by ingredient supplier = 100 ppm.

### SECTION 3. HAZARDS IDENTIFICATION

#### NOTES TO PHYSICIAN

Contains petroleum distillate – vomiting may cause aspiration pneumonia.

#### SIGNS/SYMPTOMS OF EXPOSURE

Direct contact with eyes can cause irritation. Prolonged or repeated contact with product may cause irritation. Product spray mist, fog or vapor may cause irritation to the nose, throat and lungs.

#### ROUTES OF ENTRY

**Primary:** Dermal      **Secondary:** Inhalation      **Tertiary:** Oral

#### HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition this product may yield sulfur dioxide and oxides of sulfur.

#### 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 for treatment advice. 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 min. Call a poison control center or doctor for treatment advice.

**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.

**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):** 168.4°F

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

Lower (LEL) = N/A      Upper (UEL) = N/A

**NFPA:** Class III A Combustible Liquid

**Autoignition Temperature:** NE

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known

#### IN CASE OF FIRE

**Extinguisher Media:** Carbon Dioxide, Dry Chemical, Foam

**Special Fire Fighting Procedures:** Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

### 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. Clean spill area of residues and absorbent. Dispose of contaminated absorbent and wash water according to local, state and federal regulations. 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 18 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:** Use proper protection – Must wear protective eyewear such as safety glasses or goggles.

**Skin:** Wear chemical-resistant gloves, such as Barrier Laminate, Nitrile Rubber or Viton. Coveralls plus shoes and 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 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.

#### 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 inhaled. Avoid breathing spray mist. Causes eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

#### USER SAFETY RECOMMENDATIONS

**Users Should:** Wash hands before eating, drinking, chewing gum, using tobacco or using 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.

#### STORAGE

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

### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Respiratory Protection:** None required when used according to label directions.

**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 – use protective eyewear

#### VENTILATION

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

**Mechanical:** Mechanical ventilation is recommended

**Special:** Not required

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

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amber liquid

**Solubility in Water:** NE

**Viscosity:** 16 cps @ 25°C

**Boiling Point:** NE

**pH:** 3.85 (10% in H<sub>2</sub>O)

**Odor:** Petroleum Distillate

**Vapor Pressure:** NE

**Vapor Density:** NE

**Freezing/Melting Point:** NE

**Density:** 0.978 g/ml @ 25°C

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Stable

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

**Incompatibility (Material to Avoid):** Material may react with strong oxidizing agents and strong acidic and alkaline materials.

**Hazardous Polymerization:** Will not occur

# MATERIAL SAFETY DATA SHEET

## Prescription Treatment® brand Pyreth-It® Formula 2 Pyrethrum Insecticide

### HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition this product may yield sulfur dioxide and oxides of sulfur.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### ROUTES OF ENTRY

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

#### ACUTE

**Eyes:** Slightly irritating (rabbit)

**Skin:** Acute dermal LD<sub>50</sub> = 7,723 mg/kg (rabbits). Primary skin irritation index = 1.7. Product is a sensitizer when tested on guinea pigs.

**Ingestion:** Acute oral toxicity LD<sub>50</sub> = 2,728 mg/kg (rats).

**Inhalation:** Acute inhalation toxicity LC<sub>50</sub> = 5.3 mg/L (rats).

#### CHRONIC / CARCINOGENICITY

The International Agency for Research on Cancer (IARC) has evaluated naphthalene and classified it as a possible human carcinogen (group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans.

This product contains Naphthalene, a chemical known by the state of California to cause cancer.

### 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 wash waters. 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 wastes. Dispose of container and wastes 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 OR SEWER.

### SECTION 14. TRANSPORT INFORMATION

Not considered hazardous when Pyrethrin content is 1 lb or less per shipping container.

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

( < 2 gal )

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

**Hazard Class:** N/A

( ≥ 2 gal )

**Proper Shipping Description:** Environmentally Hazardous Substance, Liquid, N.O.S. RQ (Pyrethrins)

**Hazard Class:** 9    **UN ID No.** UN 3082    **Packing Group:** III

#### SHIPMENT BY AIR (IATA CLASSIFICATION)

**Proper Shipping Description:** Environmentally Hazardous Substance, Liquid, N.O.S. RQ (Pyrethrins)

**Hazard Class:** 9    **UN ID No.** UN 3082    **Packing Group:** III

**ICAO/IATA Packaging Instructions:** 914, ERG code 9L and cargo only

#### SHIPMENT BY WATER (IMDG CLASSIFICATION)

**Proper Shipping Description:** Environmentally Hazardous Substance, Liquid, NOS (Pyrethrin), 9, UN 3082, PG III, RQ

**Package Marking:** Environmentally Hazardous Substance, Liquid, NOS (Pyrethrin), UN3082, RQ

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 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 category:

Acute Health 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 NO. 51-03-6)                      60% by weight

#### CALIFORNIA SAFE DRINKING AND TOXIC ENFORCEMENT ACT (PROP 65)

This product contains Naphthalene, a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.

#### 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 - 0

#### HMIS HAZARD RATING INFORMATION

HEALTH - 1                      FLAMMABILITY - 2                      REACTIVITY - 0

#### 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.wmg.com](http://www.wmg.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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