

MATERIAL SAFETY DATA SHEET

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(s): 02-4670 (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

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 2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENT (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	> 10.0	64742-47-8
Naphthalene	< 0.5	91-20-3

* 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 ³	5 mg/m ³
Piperonyl Butoxide, Technical	NE	NE	NE	NE
Petroleum Distillate*	NE	500 ppm	NE	NE
Naphthalene	NE	10 ppm	15 ppm	10 ppm

* TWA recommended by ingredient supplier = 166 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 of product with skin may cause irritation. Product spray mist, fog or vapor may cause irritation to nose, throat and lungs.

ROUTES OF ENTRY

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

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. 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): 168.4°F**Flame Projection:** NA**Explosibility Limits in Air (% by volume):**

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

NFPA 30B Flammability: NA

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. May be 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 17 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: Must wear protective eyewear such as safety glasses or goggles.

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** – 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. Remove pets and birds and cover fish aquariums and turn off air pump motor before spraying. When using in an enclosed area, do not remain in treated area. Ventilate area after treatment is completed.

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 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

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

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: Must wear protective eyewear such as safety glasses or goggles.

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.

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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: Amber liquid
Solubility in Water: Disperses
Viscosity: 16 cps @ 77°F
Boiling Point: NE
pH: 3.85 (10% in H₂O)

Odor: Petroleum Distillate
Vapor Pressure: NE
Vapor Density: NE
Freezing/Melting Point: NE
Density: 0.978 g/ml @ 77°F

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): Material may react with strong oxidizing agents and strong acidic and alkaline materials.
Hazardous Polymerization: Will not occur

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 LD₅₀ = 7,723 mg/kg (rabbits). Primary skin irritation index = 1.7. Product is a sensitizer when tested on guinea pigs.
Ingestion: If taken internally, aspiration of liquid product can cause chemical pneumonitis. Acute oral toxicity LD₅₀ = 2,728 mg/kg (rats).
Inhalation: Acute inhalation LC₅₀ = 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, 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 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

DOT CLASSIFICATION (≤ 2 GAL)

Proper Shipping Description: Liquid Insecticide (Not Regulated)
Hazard Class: NA

DOT CLASSIFICATION (> 2 GAL)

Proper Shipping Description: 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. (Pyrethrin), 9, UN 3082, PG III, RQ

Package Labeling: Class 9 (Misc. Hazard)

Package Marking: Environmentally Hazardous Substance, Liquid, NOS (Pyrethrin), 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. 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 categories:

Immediate (Acute) Health Hazard

Flammability 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

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

HMS HAZARD RATING SYSTEM

HEALTH - 1 FLAMMABILITY - 2 REACTIVITY - 0

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.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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