

# MATERIAL SAFETY DATA SHEET

## PRESCRIPTION TREATMENT® brand MICROCARE® Pressurized Pyrethrum Capsule Suspension Formula 1

### EMERGENCY PHONE NUMBERS:

**MEDICAL:** 800-225-3320 (PROSAR)

**TRANSPORTATION:** 800-424-9300 (CHEMTREC)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** PRESCRIPTION TREATMENT® brand MICROCARE® Pressurized Pyrethrum Capsule Suspension Formula 1  
**EPA Reg. No.:** 499-381  
**Product Code(s):** 02-0176 (12 x 20 oz.)  
**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	0.30%	8003-34-7
Piperonyl Butoxide, Technical	2.20%	51-03-6
N-octyl Cicycloheptene Dicarboximide	3.36%	113-48-4

OTHER INGREDIENTS* (97.164%)	%	CAS NO.
Isoparaffnic Hydrocarbon	proprietary	64742-47-8
Nonylphenol Ethoxylate	proprietary	9016-18-5
Hydrocarbon Propellant, Blended	proprietary	NA

\* 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
N-octyl Cicycloheptene Dicarboximide	NE	NE	NE	NE
Isoparaffnic Hydrocarbon	300 ppm	NE	NE	NE
Nonylphenol Ethoxylate	NE	NE	NE	NE
Hydrocarbon Propellant, Blended	NE	NE	NE	NE

### SECTION 3. HAZARDS IDENTIFICATION

#### SIGNS/SYMPTOMS OF EXPOSURE

A few cases of extrinsic asthma have been reported for Pyrethrum.

#### ROUTES OF ENTRY

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

#### HAZARDOUS DECOMPOSITION PRODUCTS

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

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130° F may cause bursting.

### 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:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. 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 (TOC):** None (aerosol concentrate)

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

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

**NFPA 308 Flammability:** Level 1 Aerosol

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

Contents under pressure. Exposure to temperatures above 130° F may cause bursting.

#### IN CASE OF FIRE

**Extinguisher Media:** CO<sub>2</sub>, Dry Chemical, Foam, H<sub>2</sub>O

**Special Fire Fighting Procedures:** None required – water based formulation

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), eliminate all ignition sources and allow to discharge completely in well ventilated area, then dispose of as directed below.

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 333 lbs. of this product (approximately 266 cans) 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 – safety glasses as a minimum.

**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:** If working in enclosed spaces, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter is recommended.

#### WASTE DISPOSAL METHOD

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. Do not contaminate water, food or feed by storage or disposal of wastes.

### SECTION 7. HANDLING AND STORAGE

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. CAUTION: Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. In case of contact, flush eyes or skin with water. Wash thoroughly after using and before smoking or eating. Remove pets and birds and cover aquariums before using.

#### 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

Contents under pressure. Do not puncture or incinerate. Do not use or store near open flame. Exposure to temperatures above 130° F may cause bursting. Do not spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc. Do not spray directly into any electronic equipment such as radios, televisions, computers, telephones, etc.

#### STORAGE

Do not contaminate water, food or feed by storage. Store in a cool, dry area inaccessible to children. Do not store below 32° F.

### 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

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respirator with an organic 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. **Odor:** Characteristic Pyrethrin odor.

**Solubility in Water:** Disperses

**Vapor Pressure:** 50 psig @ 70°F

**Viscosity:** NE

**Vapor Density:** NA

**Boiling Point:** NA

**Freezing/Melting Point:** NE

**pH:** 6.0 – 7.0

**Density:** 0.995 g/ml @ 20° C

### SECTION 10. STABILITY AND REACTIVITY

#### REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** [from MSDS of components (if applicable)]

**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 product is toxic to fish and birds. 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 wastes.

### 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.

**Container Disposal:** Do not puncture or incinerate! Empty container by using the product according to the label directions. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations. If container is partly full, contact your local solid waste agency or call 1-800-CLEANUP for disposal instructions.

**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

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

**Proper Shipping Description:** Consumer Commodity, ORM-D

**Package Marking:** "Consumer Commodity, ORM-D"

**Package Labeling:** None required

**Certified Packaging:** Not required

**Other Requirements or Instructions:** None required

#### SHIPMENT BY WATER (IMDG CLASSIFICATION)

**Proper Shipping Description:** Aerosols, 2.1, UN 1950

**Package Marking:** "Dangerous Goods in Limited Quantities of class 2.1"

**Package Labeling:** None required

**Certified Packaging:** Not required

**Other Requirements or Instructions:** None required

#### SHIPMENT BY AIR (IATA CLASSIFICATION)

**Proper Shipping Description:** Aerosols, Flammable, 2.1, UN 1950

**Package Marking:** "Aerosols, Flammable, UN 1950, LTD. QTY."

**Package Labeling:** Class 2, Flammable Gas

**Certified Packaging:** Not required

**Other Requirements or Instructions:** Complete air bill with packing instruction "Y203, ERG code 10L"

### 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

Release of Pressure (Puncture) 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)

2.2% 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 - 1 REACTIVITY - 1

#### HMIS HAZARD RATING INFORMATION

HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 1

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

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: 11/26/03  
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Supersedes: 3/2/99  
Code #: NA  
Text ID: 031120-2  
Part Number: 19-0763-01

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.