

MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
EFFECTIVE DATE: MARCH 2, 1999

Prescription Treatment® brand
MICROCARE®
Pressurized Pyrethrum Capsule Suspension
Formula 1

(800) 777-8570 (8:00 A.M. to 4:30 P.M. CST)
EMERGENCY PHONE NUMBERS:
MEDICAL: (800) 225-3320 PROSAR
TRANSPORTATION: (800) 424-9300 CHEMTREC
EPA REG. NO.: 499-381

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH	ACGIH	OSHA
	TLV/TWA	STEL	PEL
Pyrethrins: 0.3% (CAS #8003-34-7)	5mg/m ³	10mg/m ³	NE
Piperonyl Butoxide, Technical: 2.2% (CAS #51-03-6)	NE	NE	NE
N-octyl Bicycloheptene Dicarboximide: 0.336% (CAS #113-48-4)	NE	NE	NE
Solvents & Propellants: 97.164%			
Glycerol Monooleate: (CAS #25496-72-4)	NE	NE	NE
Polyoxyethylene Sorbitan Monooleate 80: (CAS #9005-65-6)	NE	NE	NE
Sodium Benzoate: (CAS #532-32-1)	NE	NE	10mg/m ³
Isoparaffinic Hydrocarbon: (CAS #64742-47-8)	NE	NE	300ppm
Nonylphenol Ethoxylate: (CAS #9016-45-0)	NE	NE	NE
Hydrocarbon Propellant Blended: (CAS #NA)	NE	NE	NE
Water: (CAS #NA)	NE	NE	NE

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SECTION 2: PHYSICAL DATA

Boiling Point: NA
Specific Gravity (H₂O = 1): 0.995 @ 20°C
Vapor Pressure in Aerosol Container: 50 psig @ 70°F
Percent Volatile: ~97%
Vapor Density: NA
Evaporation Rate: ~1
Solubility in Water: Disperses
Appearance and Odor: Beige-yellow liquid spray with characteristic Pyrethrin odor.

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: None (ASTM Designation D-13-10-SST) Tag Open Cup (Aerosol Concentrate)
Flammable Limits: NA
NFPA 30B Flammability: Level I Aerosol
Extinguishing Media: CO₂; Dry Chemical; Foam; H₂O
Special Firefighting Procedures: None required - water based formulation.
Unusual Fire and Explosion Hazards: Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

SECTION 4: HEALTH HAZARD DATA

Threshold Limit Value: NE
Routes of Entry:

Inhalation?	Skin?	Ingestion?
Secondary	NA	Primary

Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:
Eye: Product is not an eye irritant for albino rabbits.
Skin: Product is not a skin irritant for albino rabbits. Acute dermal toxicity - LD₅₀ > 2,000 mg/kg (rabbits).
Ingestion & Inhalation: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. Acute oral toxicity - LD₅₀ > 5,000 mg/kg (rats). Encapsulation greatly reduces the toxicity and irritation potential of the active ingredients. A few cases of extrinsic asthma have been reported for pyrethrum.
Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:
If in Eyes: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.
If Swallowed: Call a physician or poison control center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.
If on Skin: Remove contaminated clothing and wash affected areas with soap and water.
If Inhaled: Remove patient to fresh air. Apply artificial respiration if indicated.
Medical Conditions Generally Aggravated by Exposure: None known.

SECTION 5: REACTIVITY DATA

Stability: Stable.
Hazardous Decomposition Products: Thermal decomposition in open flame will result in possible toxic substances.
Hazardous Polymerization: Will not occur.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: If container begins to leak (through puncture, etc.), allow to discharge completely in well ventilated area. Absorb spillage with sand or other inert material. Sweep or scoop up and remove. Then flush with water.
Emergency Telephone Number of Chemtrec: (800) 424-9300 (for transportation spills)
Waste Disposal Method: *Pesticide Disposal:* Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. *Container Disposal:* This container may be recycled in the few but growing number of communities where steel aerosol can recycling is available. Before offering for recycling, empty the can by using the product according to the label (DO NOT PUNCTURE!). If recycling is not available, wrap the container and discard in the trash.
In case of spillage this product is subject to reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

SECTION 7: SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required. Avoid breathing spray mist.
Ventilation:
Local Exhaust: None required. **Mechanical:** None required.
Special: None required. **Other:** Ventilate area after treatment.
Protective Gloves: None required.
Eye Protection: None required.
Other Protective Equipment: None required.

SECTION 8: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Keep out of reach of children. *Hazards to Humans and Domestic Animals:* CAUTION - May cause eye irritation. Harmful if swallowed or inhaled. May be absorbed through the skin. Avoid breathing of spray mist and provide adequate ventilation of area being retreated. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Wash thoroughly after using and before smoking or eating. Avoid contamination of food, utensils, and food preparation areas. Keep children and pets off treated areas until spray has dried. Food should be removed or covered before treatment. All food contact surfaces and cooking utensils should be covered before treatment. Before treating in medical care areas, remove all patients. After treatment ventilate area for 2 hours before returning patients. *Environmental Hazards:* This product is toxic to fish, birds, and other wildlife. 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. Apply this product only as specified on this label. *Physical or Chemical Hazards:* Flammable. Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting. Do not spray directly into any electronic equipment such as radios, televisions, computers, etc. Do not use this product in electrical equipment (where there is exposed wiring or contact points) due to possibility of short circuits and shock hazard. Product should only be used when temperature is above 60°F. If can temperature is below 60°F, store at room temperature until a temperature above 60°F is reached.

SECTION 9: HEALTH RATING INFORMATION (NFPA)

Health - 1 Flammability - 1 Reactivity - 1

SECTION 10: SARA TITLE III/SEC. 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	% by weight
51-03-6	Piperonyl Butoxide	2.2

SECTION 11: DOT SHIPPING INFORMATION

Proper Shipping Name: Consumer Commodity **Hazard Class:** ORM-D

NA - Not Applicable
NE - Not Established
PEL - Permissible Exposure Limit
ACL - Acceptable Ceiling Level
MPC - Maximum Peak Concentration

Product Code: 02-0176 (12 x 20 oz.)
Prepared by: Dana M. Thomas