

MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
EFFECTIVE DATE: MARCH 18, 1999

Prescription Treatment® Brand
1600 X-clude®
Timed Release Pyrethrum

(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.: 499-239

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH TLV/TWA	ACGIH STEL	OSHA 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 #7732-18-5)	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	Evaporation Rate: ~1
Specific Gravity (H₂O = 1): 0.995 @ 20°C	Solubility in Water: Disperses
Vapor Pressure in Aerosol Container: 50 psig @ 70°F	Appearance and Odor: Beige-yellow liquid spray with characteristic Pyrethrin odor.
Percent Volatile: ~97%	
Vapor Density: NA	

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	Tertiary	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 Inhaled: Remove patient to fresh air. Apply artificial respiration if indicated.

If on Skin: Remove contaminated clothing and wash affected areas with soap and water.

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:* Securely wrap container in several layers of newspaper and discard in trash. *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 - Avoid breathing of 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. Avoid contamination of food, utensils, and food preparation areas. Food should be removed or covered before treatment. All food contacting surfaces and cooking utensils should be covered during treatment or thoroughly cleaned before use. Remove pets and birds and cover aquariums before using. *Environmental Hazards:* 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. *Physical or Chemical Hazards:* Contents under pressure. Do not puncture or incinerate container. Do not use or store near open flame. Exposure to temperatures above 130°F may cause bursting. Do not store below 32°F. 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. Contents of container must be at room temperature before use. Therefore, cans must be stored at room temperature (above 65°F) for 24 hours before application. See label for additional precautions/warnings.

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: 09-1620 (12 x 20 oz.)

Prepared by: Dana M. Thomas

