

MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
EFFECTIVE DATE: JULY 27, 2000

PRESCRIPTION TREATMENT® brand

(800) 777-8570 (8:00 A.M. to 4:30 P.M. CST)

TRI-DIE®

Silica & Pyrethrum Dust

EMERGENCY PHONE NUMBERS:

MEDICAL: (800) 225-3320 PROSAR

TRANSPORTATION: (800) 424-9300 CHEMTREC

EPA REG. NO.: 499-429

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredient:	ACGIH TLV/TWA	ACGIH STEL	OSHA PEL	OTHER
Pyrethrins: 1.0% (CAS #8003-34-7)	5mg/m ³	10mg/m ³	NE	
Technical Piperonyl Butoxide: 10.0% (CAS #51-03-6)	NE	NE	NE	
Other Ingredients:				
Petroleum Distillates: 42-45.148% (CAS #64742-47-8)	NE	NE	NE	300ppm Supplier Rec.

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

SECTION 2: PHYSICAL DATA

Boiling Point: NA	Evaporation Rate: NA
Melting Point: NA - end use product.	Solubility in Water: Negligible
Specific Gravity (H₂O = 1): 0.278 g/ml	Appearance and Odor: Dry white powder with a characteristic pyrethrum odor.
Vapor Pressure: NA	pH: NA
Percent Volatile: ~45.0%	

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 177°F (PMCC)
Flammable Limits: NA
Extinguishing Media: CO₂, Dry Chemical, Foam.
Special Firefighting Procedures: None required.
Unusual Fire and Explosion Hazards: None.

SECTION 4: HEALTH HAZARD DATA

Threshold Limit Value: NE
Routes of Entry:

Inhalation?	Skin?	Ingestion?
Secondary	Primary	Tertiary

Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:
Eye: May cause eye irritation. Product produced conjunctival irritation in albino rabbit eyes, reversible within 72 hours. No corneal opacity or iritis was observed.
Skin: No known adverse effects to humans with intact skin. May be absorbed through damaged skin. Acute dermal toxicity LD₅₀ > 2000 mg/kg (rabbits). Primary skin irritation index = 0.
Ingestion & Inhalation: A few cases of extrinsic asthma from pyrethrin mixtures have been reported. Prolonged exposure may cause drying of nose and throat. Acute oral toxicity LD₅₀ > 5,000 mg/kg (rats). Acute inhalation LC₅₀ > 4.3 mg/l (rats).
Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:

If Swallowed: Do not induce vomiting unless directed by a physician. Contains petroleum solvent. Contact a physician or poison control center immediately.

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on Skin: Remove contaminated clothing and wash affected areas with soap and water. Get medical attention if irritation/symptoms persist.

If in Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Medical Conditions Generally Aggravated by Exposure: None known.

Note to Physician: May pose an aspiration pneumonia hazard.

SECTION 5: REACTIVITY DATA

Stability: Indefinite when used according to label directions.

Conditions to Avoid: None known.

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Decomposition Products: Can include carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will not occur.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Sweep or shovel spilled material into proper container for disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Emergency Telephone Number of Chemtrec: (800) 424-9300
(for transportation spills)

Waste Disposal Method: Do not contaminate water, food or feed by disposal. *Pesticide Disposal:* Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. *Container Disposal:* Completely empty liner by shaking and taping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

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 if applied according to label directions. Use an approved pesticide dust respirator for prolonged exposure or when exposure guidelines are exceeded.

Ventilation:

Local Exhaust: None required.

Mechanical: None required.

Special: None required.

Other: Provide adequate ventilation of treatment area.

Protective Gloves: None required - avoid contact with skin.

Eye Protection: Not mandatory - goggles or face shield suggested - avoid eye contact.

Other Protective Equipment: None required.

SECTION 8: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: *Hazards to Humans and Domestic Animals:* CAUTION - Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Special precautions should be taken so that all residue will be out of reach of children or domestic animals. Avoid contamination of food and foodstuffs. *Environmental Hazards:* This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater or rinsate. *Storage:* Do not contaminate water, food or feed by storage. Store upright at room temperature. Keep away from moisture. Sweep up and dispose of with chemical waste.

SECTION 9: HEALTH RATING INFORMATION (NFPA)

Health - 1 Flammability - 2 Reactivity - 0

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, Tech.	10

SECTION 11: DOT SHIPPING INFORMATION

Proper Shipping Name: N/A

Hazard Class: N/A

Not Regulated. This product is not considered to be a hazardous substance under the regulations of the Department of Transportation.

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

Product Code: 02-0232
Prepared by: Dana M. Thomas