

MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
EFFECTIVE DATE: OCTOBER 12, 1998

Prescription Treatment[®] brand
TRI-DIE[®]
Pressurized Silica + Pyrethrin Dust
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.: 499-385

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH	ACGIH	OSHA
	TLV/TWA	STEL	PEL
Pyrethrins: 0.6% (CAS #8003-34-7)	5mg/m ³	10mg/m ³	NE
Piperonyl Butoxide, Technical: 4.8% (CAS #51-03-6)	NE	NE	NE
Amorphous Silica Dioxide: 8.0% (CAS #112926-00-8)	10mg/m ³	NE	6mg/m ³
Solvents & Propellants: 86.6%			
Acetone: (CAS #67-64-1)	750ppm	1,000ppm	750ppm
Isoparaffinic Hydrocarbon: (CAS #64741-66-8)	NE	NE	400ppm (Exxon)
Difluoroethane: (CAS #75-37-6)	1,000ppm	NE	NE
1,1,1,2-Tetrafluoroethane: (CAS #811-97-2)	NE	NE	NE

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
Specific Gravity (H₂O = 1): 7.2 lbs./gal. @ 20°C
Vapor Pressure in Aerosol Container: 70 psig @ 70°F
Percent Volatile: ~84.2
Vapor Density: NA
Evaporation Rate: NA
Solubility in Water: Slight.
Appearance and Odor: Sprays as tan powder with characteristic pyrethrin odor.

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: >18" (CSMA Flame Projection Test)
Flammable Limits: NA
NFPA 30B Flammability: Level 2 Aerosol
Extinguishing Media: CO₂; Dry Chemical; Foam
Special Firefighting Procedures: None required.
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	Primary	Tertiary

Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:
Eye: Product is an eye irritant.
Skin: Prolonged exposure may cause skin irritation. Acute dermal LD₅₀ > 2,000mg/kg (rabbits).
Ingestion & Inhalation: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. A few cases of extrinsic asthma from pyrethrin mixtures have been reported. Prolonged exposure may cause drying of nose and throat. Acute oral LD₅₀ > 5,000 mg/kg (rats). Acute inhalation LC₅₀ > 4.78mg/l (rats).
Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:

If in Eyes: Flush eyes with plenty of water. Get medical attention.
If Swallowed: Call a physician or poison control center immediately. Gastric lavage may be indicated if material was taken internally. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia.
If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention.
If on Skin: Remove contaminated clothing and wash affected areas with plenty of soap and water. Get medical attention.
Medical Conditions Generally Aggravated by Exposure: None known.

SECTION 5: REACTIVITY DATA

Stability: Indefinite when used according to label directions.
Conditions to Avoid: Do not spray into open flame or onto very hot surfaces.
Hazardous Decomposition Products: Thermal decomposition in open flame may result in halogen acids.
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 it to discharge completely in well ventilated area, then dispose of in safe place. In case of spillage on skin, wash thoroughly with plenty of soap and water.
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:* 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 if applied according to label directions. When used in confined areas or when prolonged exposure to spray mist occurs, wear a pesticide dust respirator approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute of Occupational Safety and Health under the provisions of 30 CFR Part II.
Ventilation:
Local Exhaust: None required. **Mechanical:** None required.
Special: None required. **Other:** Provide adequate ventilation of treatment area.
Protective Gloves: None required.
Eye Protection: Goggles, face shield or glasses.
Other Protective Equipment: None required.

SECTION 8: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: *Hazards to Humans and Domestic Animals:* WARNING - Causes skin irritation. Do not get on skin or on clothing. Wear protective eyewear (goggles, face shield or glasses). Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Harmful if absorbed through skin. Harmful if inhaled. Avoid breathing spray dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. In hospitals, remove patients prior to treatment. Ventilate area for two hours prior to returning patients. *Environmental Hazards:* This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Apply this product only as specified on its label. Do not contaminate water by cleaning of equipment or disposal of wastes. *Physical or Chemical Hazards:* Flammable. Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. *Storage:* Do not contaminate water, food or feed by storage. Store in a cool dry place away from heat or open flame.

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	4.8

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: 02-0239
Prepared by: Dana M. Thomas