

# MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN  
RESEARCH LABORATORIES, INC.  
3568 TREE COURT IND. BLVD.  
ST. LOUIS, MO 63122  
EFFECTIVE DATE: OCTOBER 28, 1998

Whitmire  
Prescription Treatment® brand 410  
**ULTRAGUARDIAN™** brand  
Flea Foam

(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.: 499-231

## SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH TLV/TWA	ACGIH STEL	OSHA PEL
Pyrethrins: 0.15% (CAS #8003-34-7)	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>	NE
Piperonyl butoxide, Technical: 0.70% (CAS #51-03-6)	NE	NE	NE
N-octyl bicycloheptene dicarboximide: 0.34% (CAS #113-48-4)	NE	NE	NE
<b>Solvents &amp; Propellants:</b>			
Petroleum Hydrocarbon Propellant: 5.00% (CAS #68476-85-7)	1000ppm	NE	NE
Isoparaffinic Petroleum Oil: 0.61% (CAS #64742-48-9)	NE	NE	500 ppm

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

<b>Boiling Point:</b> NA	<b>Vapor Density:</b> NA
<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 0.99 @ 20°C	<b>Evaporation Rate:</b> ~1
<b>Vapor Pressure in Aerosol Can:</b> 50 psig	<b>Solubility in Water:</b> Disperses
<b>Percent Volatile:</b> ~50%	<b>Appearance and Odor:</b> White mousse with mild pyrethrin odor.

## SECTION 3: FIRE AND EXPLOSION HAZARD DATA

**Flashpoint:** None (ASTM Designation-D-13-10-SST) Tag Open Cup.  
**Flammable Limits:** NA  
**NFPA 30B Flammability:** Level I Aerosol  
**Extinguishing Media:** CO<sub>2</sub>; Dry Chemical; Foam; H<sub>2</sub>O  
**Special Firefighting Procedures:** None - Water based foundation.  
**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:**

<b>Inhalation?</b>	<b>Skin?</b>	<b>Ingestion?</b>
Secondary	NA	Primary

**Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:**

**Eye:** Product may produce slight irritation.

**Skin:** Product is not a skin irritant for Albino rabbits. Dermal LD<sub>50</sub> > 15,000mg/kg.

**Ingestion & Inhalation:** Unlikely due to the product being pressurized and producing particles large enough not to be respirable. Oral LD<sub>50</sub> > 5,000mg/kg. Encapsulation greatly reduces the toxicity and irritation potential of the active ingredients. A few cases of extrinsic asthma have been reported for pyrethrum.

**Carcinogenicity:**

<b>NTP?</b>	<b>IARC Monograph?</b>	<b>OSHA Regulated?</b>
No	No	No

**Emergency and First Aid Procedures:**

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

**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 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 aluminum 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:** None required.

**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:** *Hazards to Humans and Domestic Animals:* CAUTION - Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Sensitivities may occur after using any pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. *Physical or Chemical Hazards:* Contents under pressure. 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. *Environmental Hazards:* This product is toxic to fish. Do not apply to water. *Storage:* Store in a cool area away from heat or open flame and in an area out of reach of children. Do not store below 32°F.

**Other Precautions:** Use only on dogs and cats. Do not use on kittens or puppies under twelve weeks of age. This product is not recommended for use on cats which have been compromised due to previous illness, medication, or existing medical condition. Consult a veterinarian before using this product on debilitated, medicated, aged, pregnant or nursing animals.

## 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
This product contains no Section 313 chemicals exceeding the de minimis concentration levels.		

## 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:** 02-0410  
**Prepared by:** Dana M. Thomas

