

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
ULTRACIDE[®]
Pressurized Flea IGR & Adulticide
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.: 499-404

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH TLV/TWA	ACGIH STEL	OSHA PEL
Pyriproxyfen: 0.10% (CAS #95737-68-1)	NE	NE	NE
Pyrethrins: 0.05% (CAS #8003-34-7)	NE	NE	NE
N-octyl bicycloheptene dicarboximide: 0.40% (CAS #113-48-4)	NE	NE	NE
Permethrin: 0.435% (CAS #52645-53-1)	NE	NE	NE
Inert Ingredients: 99.015%			
Propellant Blend: (CAS #s 74-98-6 & 75-28-5)	1000 ppm	500 ppm	400 ppm
Petroleum Distillate: (CAS #64742-47-8)	1000 ppm	NE	NE
Deionized Water (CAS #7732-18-5)	NE	NE	NE
Sodium Benzoate (CAS #532-32-1)	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): ~0.97
Vapor Pressure: NA - end use product.
Percent Volatile: 99.015%
Evaporation Rate: NA
Solubility in Water: Will dissipate
Appearance and Odor: Sprays as a mist with characteristic insecticide/solvent odor.
pH: 7.1

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 172°F, TCC
Flammable Limits: % by Volume: Lower 4.0; Upper 18.0
NFPA 30B Flammability: Level I 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 may cause substantial eye irritation.
Skin: Prolonged exposure may cause skin irritation and reddening of the skin. Acute dermal toxicity - LD₅₀ > 2,000mg/kg (rabbits).
Ingestion & Inhalation: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. Acute oral toxicity - LD₅₀ > 5,000mg/kg (rats). Acute inhalation toxicity - LC₅₀ > 5.12mg/L-air.
Carcinogenicity:

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

Emergency and First Aid Procedures:

If Swallowed: Call a physician or poison control center immediately.
If in Eyes: Flush with plenty of water. Get medical attention if irritation persists.
If on Skin or Clothing: Remove contaminated clothing and wash before reuse. Wash skin with soap and warm water. Get medical attention if irritation persists.
If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated. Seek 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.
Incompatibility (Materials to Avoid): None
Hazardous Decomposition Products: Thermal decomposition in open flame will result in carbon monoxide and carbon dioxide.
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 a well ventilated area, then dispose of in a safe place. In case of spillage on skin, wash thoroughly with soap and water. Consult physician immediately if illness occurs.

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 unavailable, 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: Not necessary if used properly.

Ventilation:

Local Exhaust: None required. **Mechanical:** May be useful when using this product in enclosed spaces.

Special: None required. **Other:** None required.

Protective Gloves: None required.

Eye Protection: Not necessary if used properly.

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: Harmful if swallowed or absorbed through skin. Do not breathe vapors or spray mist. Avoid contact with skin or eyes. In case of contact, flush with plenty of water. Wash with soap and warm water after use. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs. *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. Drift from treated areas may be hazardous to organisms of adjacent aquatic sites. Apply this product only as specified on the label. *Physical or Chemical Hazards:* Contents under pressure. Do not puncture. Do not store near heat or open flame. Exposure to temperatures above 130°F may cause bursting.
Reentry Statement: Do not contact treated surfaces until spray has dried.
Other Precautions: Ultracide™ has been tested on several types of carpet, fabric and other household furnishings without adverse affects. In a few instances waxed surfaces have been whitened or dulled. Holding the can 36 inches away from the target surface normally prevents any whitening from occurring. Because of the wide variety of floor types and finishes, treat a small inconspicuous spot before treating the entire area. Avoid contact with antique finishes.

SECTION 9: HEALTH RATING INFORMATION (NFPA)

Health - 1 Flammability - 2 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: 02-0405 (12 x 20 oz.)
Prepared by: Dana M. Thomas