

# MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN  
RESEARCH LABORATORIES, INC.  
3568 TREE COURT IND. BLVD.  
ST. LOUIS, MO 63122  
EFFECTIVE DATE: SEPTEMBER 13, 1999

Prescription Treatment® brand  
**PRO-CONTROL® PLUS**  
Total Release Aerosol Insecticide  
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.: 499-462

## SECTION 1: HAZARDOUS INGREDIENTS

| Active Ingredients:                                      | ACGIH TLV/TWA      | ACGIH STEL          | OSHA PEL | OTHER                                   |
|--|--------------------|---------------------|----------|---|
| Pyrethrins: 0.50% (CAS #8003-34-7)                       | 5mg/m <sub>3</sub> | 10mg/m <sub>3</sub> | NE       |   |
| Piperonyl butoxide, Technical: 1.0% (CAS #51-03-6)       | NE                 | NE                  | NE       |   |
| Cyfluthrin: 0.10% (CAS #68359-37-5)                      | NE                 | NE                  | NE       |   |
| <b>Solvents &amp; Propellants:</b> 98.4%                 |                    |                     |          |   |
| Acetone: (CAS #67-64-1)                                  | 750 ppm            | 1000 ppm            | 750 ppm  |   |
| Dimethyl Ether: (CAS #115-10-6)                          | NE                 | NE                  | NE       | 1000 ppm                                |
| Petroleum Distillate (CAS #s 64742-48-49 or 64742-47-48) | 200 ppm*           | NE                  | NE       | 350mg/m <sub>3</sub><br>8 & 12 hr. TWA* |

\*recommended by supplier

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> NE                           | <b>Solubility in Water:</b> Negligible                 |
| <b>Specific Gravity (H<sub>2</sub>O = 1):</b> 0.90 | <b>Appearance and Odor:</b> Dispensed as a spray mist. |
| <b>Vapor Pressure (mmHg):</b> NE                   | <b>Melting Point:</b> NE                               |
| <b>Bulk Density:</b> 0.825 g/ml                    |  |
| <b>Evaporation Rate (Butyl acetate = 1):</b> NA    |  |

## SECTION 3: FIRE AND EXPLOSION HAZARD DATA

**Flashpoint (Method Used):** < 20°F (TCC) (Propellant), Extremely Flammable  
**Flammable Limits:** NE  
**NFPA 30B Flammability:** Level 1 Aerosol  
**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Chemical, Water Spray/Fog  
**Special Firefighting Procedures:** Water can be used to cool fire-exposed containers. Firemen should wear normal protective equipment and positive pressure self-contained breathing apparatus.  
**Unusual Fire and Explosion Hazards:** Contents under pressure. Exposure to temperatures above 130°F may cause bursting. Liquid run off to sewers may create fire/explosion hazard.

## SECTION 4: HEALTH HAZARD DATA

**Threshold Limit Value:** NE  
**Routes of Entry:**

| Inhalation? | Skin? | Ingestion? | Eye? |
|-------------|-------|------------|------|
| X           | X     | X          | X    |

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

**Eye:** Direct contact of product with eyes can cause irritation.

**Skin:** Prolonged or repeated contact of product with skin may cause illness.

**Ingestion & Inhalation:** Ingestion is not considered a likely route of exposure. Product may cause severe distress and serious illness if taken internally. If taken internally, aspiration of liquid product may cause chemical pneumonitis. Inhalation of product vapors may cause chemical intoxication at high airborne concentrations.

**Carcinogenicity:**

| NTP? | IARC Monograph? | OSHA Regulated? |
|------|-----------------|-----------------|
| No   | No              | No              |

**Emergency and First Aid Procedures:**

**If on Skin:** Wash off with soap and water. Get medical attention if irritation persists. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.  
**Medical Conditions Generally Aggravated by Exposure:** None known.

## SECTION 5: REACTIVITY DATA

**Stability:** Stable.

**Conditions to Avoid:** Excessive heat (temps. above 130°F) -- fire, sparks & heated surfaces.

**Incompatibility (Materials to Avoid):** Nitric plus acetic acids, nitric plus sulfuric acids, oxiders, organic acid anhydrides.

**Hazardous Decomposition Products:** Carbon dioxide and some carbon monoxide.

**Hazardous Polymerization:** Will not occur.

## SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Eliminate all ignition sources. Do not let spilled or leaking material enter watercourse. May be toxic to aquatic life. Absorb with oil-dry or similar inert material. Sweep or scrape up and containerize. Wear/use appropriate protective equipment.

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

## SECTION 6: SPILL OR LEAK PROCEDURES (cont'd.)

**Waste Disposal Method:** *Pesticide Disposal:* Observe all applicable Federal/State regulations and local ordinances regarding disposal of pesticide wastes. *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 when label directions are followed. If remaining in areas during and after application use a respiratory device as recommended by NIOSH/MSHA for protection against organic vapors and pesticides.

**Ventilation:**

**Local Exhaust:** Ventilate area for 30 minutes before reentering. Do not remain in enclosed areas without appropriate respiratory protection.

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

**Protective Gloves:** If prolonged or repeated contact is possible, any impervious material.

**Eye Protection:** Not required unless contact with undiluted product is possible.

**Other Protective Measures:** Use good personal hygiene practices. Where gross eye/skin contact may be a problem, wear/use appropriate protective equipment. Launder contaminated equipment before reuse.

## SECTION 8: SPECIAL PRECAUTIONS

**Precautions to be taken in handling and storage:** *Hazards to Humans and Domestic Animals:* CAUTION - Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Do not remain in enclosed area after use. Stay out of room being treated for at least two hours. Ventilate enclosed area before reentering. Avoid contamination of food and foodstuffs. All food preparation surfaces should be covered during application. Apply only when no food is being prepared. Remove pets and birds, cover and turn off fish aquariums before spraying. *Physical or Chemical Hazards:* Extremely Flammable. Keep away from fire, sparks and heated surfaces. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" on product label very carefully. *Storage:* Store away from heat or open flames in an area inaccessible to children.

## SECTION 9: HEALTH RATING INFORMATION (NFPA)

Health - 1      Flammability - 4      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 | 1.0         |
| 67-64-1 | Acetone            | 25.0        |

This product contains no other Section 313 chemicals above 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:** 02-5001  
**Prepared by:** Dana M. Thomas