

# MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN  
RESEARCH LABORATORIES, INC.  
3568 TREE COURT IND. BLVD.  
ST. LOUIS, MO 63122  
EFFECTIVE: FEBRUARY 7, 2000

Prescription Treatment<sup>®</sup> brand  
**ULD<sup>®</sup> BP-100**  
Contact 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.: 499-452

## SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:	ACGIH TLV/TWA	ACGIH STEL	OSHA PEL	OTHER
Pyrethrins: 1.00% (CAS #8003-34-7)	5mg/m <sup>3</sup>	NE	NE	
Piperonyl butoxide, technical: 2.00% (CAS #51-03-6)	NE	NE	NE	
N-octyl bicycloheptene dicarboximide: 3.0% (CAS #113-48-4)	NE	NE	NE	
<b>Inert Ingredients:</b> 94.00% Petroleum Distillate: (CAS #64742-47-8)	NE	NE	NE	300 ppm 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

<b>Boiling Point:</b> > 200°F	<b>Evaporation Rate (Butyl acetate = 1):</b> ND
<b>Specific Gravity (H:O = 1):</b> 0.8	<b>Solubility in Water:</b> Negligible
<b>Vapor Pressure (mmHg):</b> < 0.1	<b>Appearance and Odor:</b> Clear yellow liquid/ mild solvent odor.
<b>Vapor Density (Air = 1):</b> 6	<b>Melting Point:</b> ND
<b>Viscosity:</b> 3.11	

## SECTION 3: FIRE AND EXPLOSION HAZARD DATA

**Flashpoint (Method Used):** 185°F (TCC)  
**Flammable Limits:** LEL: 1.3; UEL: 8.1 @ 77°F (for petroleum distillate)  
**Extinguishing Media:** Foam; Dry Chemical; Water  
**Firefighting Procedures:** Treat as an oil fire. Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical or water spray to extinguish fire. Avoid spraying water directly into storage containers due to danger of boilover. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.  
**Unusual Fire and Explosion Hazards:** Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge. Liquid runoff to sewers may create fire/explosion hazard.  
**NFPA Flammability:** Class III A Combustible Liquid.

## SECTION 4: HEALTH HAZARD DATA

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

Inhalation?	Skin?	Ingestion?
Tertiary	Secondary	Primary

**Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:**  
**Eye:** Direct contact of product with eyes can cause irritation. Product caused minimal conjunctival irritation (rabbits) reversible in 48 hours.  
**Skin:** Prolonged or repeated contact of product with skin may cause irritation. Acute dermal LD<sub>50</sub> between 5 and 10 ml/kg female rabbits and between 10 and 20 ml/kg male rabbits.  
**Ingestion & Inhalation:** Product spray mist, fog or vapor may cause irritation to nose, throat and lungs if adequate ventilation is not employed. If taken internally, aspiration of liquid product can cause chemical pneumonitis. Acute oral LD<sub>50</sub> > 5 ml/kg (rats).  
**Carcinogenicity:**

NTP?	IARC Monograph?	OSHA Regulated?
No	No	No

### Emergency and First Aid Procedures:

**If Swallowed:** Contains petroleum distillate. Call a physician or poison control center immediately. Do not induce vomiting - vomiting may cause aspiration pneumonia.  
**If Inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably by mouth-to-mouth. Get medical attention.  
**If on Skin:** Remove contaminated clothing and wash promptly with soap and water. Get medical attention if irritation persists.  
**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.  
**Conditions to Avoid:** None known.  
**Incompatibility (Materials to Avoid):** Strong oxidizing agents.  
**Hazardous Decomposition Products:** When exposed to fire, produces normal products of combustion.  
**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)

**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: One Gallon and Under:* Do not reuse empty container. Wrap and put in trash. *Over One Gallon:* Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

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:** Use a respiratory device as recommended by NIOSH/MSHA for protection against organic vapors and pesticides.

### Ventilation:

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

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

**Eye Protection:** Chemical workers splash proof goggles.

**Other Protective Equipment:** Rubber boots, full legged pants, long sleeve shirts. Launder contaminated equipment or clothing before reuse.

## SECTION 8: SPECIAL PRECAUTIONS

**Precautions to be taken in handling and storage:** *Hazards to Humans and Domestic Animals:* CAUTION - Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling. Remove pets, birds, and cover fish aquariums and turn off air pump before spraying. In health care facilities, remove patients prior to treatment. Thoroughly ventilate treated area for two hours before returning patients. *Environmental Hazards:* This product is toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on its label. *Physical and Chemical Hazards:* Do not use or store near heat or open flame. Note: Some furniture finishes and, particularly, plastics can be damaged by petroleum based insecticides. To avoid damage, cover those items and do not spray directly. If in doubt, test by applying this material to an inconspicuous area before spraying. *Storage:* Do not contaminate water food or feed by storage. Store in a cool, dry area away from children, heat, sparks or open flame.

## 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	2.0

## SECTION 11: DOT SHIPPING INFORMATION

< 12.5 Gallons

**Proper Shipping Name:** Liquid Insecticide (Not Regulated)

**Hazard Class:** NA

≥ 12.5 Gallons

**Proper Shipping Name:** RQ Environmentally Hazardous Substance, Liquid, NOS (Pyrethrin)

**Hazard Class:** 9

**UN I.D. NO.:** UN 3082

**Packing Group:** III

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

**Product Code:** 02-4967 (12 x 24 oz.)  
02-4965 (12 x 34 oz.)  
02-4961 (4 x 1 gallon)  
02-4963 (2 x 2.5 gallon)  
02-4964 (1 x 55 gal.)

**Prepared by:** Dana M. Thomas