MATERIAL SAFETY DATA SHEET

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
5568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
EFFECTIVE DATE: OCTOBER 12, 1998

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS#</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyrethrum: 0.6%</td>
<td>(CAS 9003-34-7)</td>
<td>TIL/TLA</td>
<td>STIL</td>
</tr>
<tr>
<td>Pheronix: Technical</td>
<td>(CAS 9015-03-8)</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Amorphous Silica Dioxide: 8.0%</td>
<td>(CAS #11292-99-8)</td>
<td>NE</td>
<td>6mg/m³</td>
</tr>
<tr>
<td>Solvents, Propellants: 85.6%</td>
<td>(CAS 9017-64-1)</td>
<td>750ppm</td>
<td>1000ppm</td>
</tr>
<tr>
<td>Isoparaffin Hydrocarbon:</td>
<td>(CAS 904771-66-8)</td>
<td>NE</td>
<td>400ppm</td>
</tr>
<tr>
<td>Toluene: 1.1.1.2-Tetrafluoroethane:</td>
<td>(CAS 90811-97-2)</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

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: -94.2
Vapor Density: NA

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: >18°C (CSMA Flame Projection Test)
Flammable Limits: NA
NFPA 308 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: NA
Routes of Entry: Inhalation, Skin, Ingestion

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 > 2,000 mg/kg (rabbits).
Ingestion: Unlikely due to the product being pressurized and producing particles large enough not to be respirable. A few cases of extrinsic asthma from pyrethrum mixtures have been reported. Prolonged exposure may cause drying of nose and throat. Acute oral LD₅₀ > 5,000 mg/kg (rats). Acute inhalation LD₅₀ > 4.78 mg/ml (rats).
Carcinogenicity: No, IARC Monograph, OSHA Regulated: 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 person 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:
1. 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.
2. Emergency Telephone Number of Chemists: (800) 424-9300 (for transportation spill)
3. 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 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 dust mask. Respirator approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and the National Institute of Occupational Safety and Health under the provisions of 30 CFR Part 11.
Ventilation: Local Exhaust: None required. Mechanism: None required. Special: None required. 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:
1. Harmful 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, 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.
2. 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:

- Chemical Name: Pheronix 51-03-6
- % by weight: 4.8

SECTION 11: DOT SHIPPING INFORMATION

Proper Shipping Name: Consumer Commodity
Prepared by: Dana M. Thomas

P/N 19-070 SLTRIDIE

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RESEARCH LABORATORIES, INC.
5568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
EFFECTIVE DATE: OCTOBER 12, 1998

(800) 777-8570 (8:00 A.M. to 4:30 P.M. CST)
EMERGENCY PHONE NUMBERS:
MEDICAL: (800) 225-3520 PRODRAG
TRANSPORTATION: (800) 424-9300 CHEMTREC
EPA REG. NO.: 499-365

PREPARED BY: Dana M. Thomas

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