MATERIAL SAFETY DATA SHEET

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

SECTION 1: HAZARDOUS INGREDIENTS

Active Ingredients:
Abamectin: 0.05% (CAS #:75151-41-2)
[ A mixture of avermectins containing 
80% avermectin B1 (5'-demiethyl 
avermectin Al) and 20% avermectin 
B2 (5'-demiethyl-25-de(1-methyl- 
propanoyl)-21-(1-methylthyl) avermectin 
Al).]

Exposure limit recommended by 
manufacturer of active ingredient.

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 (Hg = 1): NA
Vapor Pressure in Aerosol Can: NA
Percent Volatile: 5.5%
Bulk Density: 42 lbs./ft.3

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: NA
Flammable Limits: NE
LEL: 0.130 oz./ft.3
UEL: NE
NFPA 308 Flammability: NA

SECTION 4: HEALTH HAZARD DATA

Routes of Entry: Inhalation? Skin? Ingestion?
Primary Secondary
Health Hazard (Acute and Chronic) - Signs and Symptoms of Exposure:
Eye: May cause some reversible eye irritation. Caused slight conjunctival irritation in albino rabbits reversible in seven days. Caused a dull cornua in albino rabbits reversible in three days.
Skin: Non-irritating to skin. Primary irritation index = 0.00 for albino rabbits. Acute Dermal toxicity - LD50 > 2,000 mg/kg in albino rabbits. Guinea pig dermal sensitization study showed material is not a primary Skin irritant, irritating agent or skin sensitizer.
Ingestion & Inhalation: Acute Oral toxicity - LD50 > 5,000 mg/kg in albino rats. Particle size greatly affects the possibility of inhalation.

Carcinogenicity:
MNP? IARC Monograph? OSHA Regulated?
No No No

Emergency and First Aid Procedures:
If Swallowed: Drink 1 oz. or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.
If Inhaled: Remove patient to fresh air. Apply artificial respiration if indicated. Seek medical attention.
If on Skin: Wash with soap and warm water. Seek medical attention if irritation persists.
If in Eyes: Flush with plenty of water. Seek medical attention if irritation persists.

SECTION 5: REACTIVITY DATA

Stability: Indefinite
Conditions to Avoid: None known.
Incompatibility (Materials to Avoid): Abamectin can be hydrolyzed by strong, caustic solution.

Hazardous Decomposition Products: Thermal decomposition in open flame creates toxic gases (including CO and CO2), toxic dust and smoke may be generated.

Hazardous Polymerization: None known.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Spilled material should be carefully collected and contained in a manner that prevents the least amount of airborne dust. Suitable protective equipment should be worn during any spill clean-up operation. Residual surface material may be removed with low-level moisture with methanol.

Emergency Telephone Number of Chemists: (800) 424-9300
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. Do not contaminate water, food or feed by disposal. Container Disposal: Do not reuse empty container. Wrap container and put in 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 required when applying finished product in Crack and Crevice fashion.
Ventilation: Provide adequate ventilation in treated areas.
Local Exhaust: Local exhaust ventilation must be provided where dust may enter the work area.
Mechanical: None required.
Special: Container areas should have dedicated exhaust and dust collection systems (HEPA filters or collectors). Other: None required.

Protective Gloves: None required.
Eye Protection: None required. Safety glasses or goggles are recommended.
Other Protective Equipment: None required.

SECTION 8: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Do not use on or contaminate soil, vegetables or other food or food crops. Do not apply to humans, animals, clothing or bedding. Do not contaminate feed or food products or food preparation surfaces, dishes, kitchen utensils and food containers. IMPORTANT NOTICE: Do not dispense this pesticide with power dusters in confined areas (i.e. attics, hot water heater closets, furnace rooms, etc.) in the presence of open flames, such as pilot lights. Hazards to Humans and Domestic Animals: CAUTION - Harmful if swallowed, inhaled or absorbed through the skin. Do not breathe dust. Do not allow to contact skin, eyes or clothing. If contact occurs, wash skin with soap and warm water, or eyes with clean water. Wash hands and exposed skin before eating, drinking or smoking and after handling. Wash all contaminated clothing thoroughly before reuse. Do not apply wet materials (or domestic animals) are likely to come in frequent contact with treated areas. Any powder visible after application is complete should be brushed into cracks or crevices and removed. No generalized dusting should be done in household areas accessible to children or pets. Environmental Hazards: This pesticide is toxic to fish and wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment areas. Storage: Store in a tightly closed container in a cool, dry place.

SECTION 9: HEALTH RATING INFORMATION (NFPA)

Health - 1 Flammability - 0 Reactivity - 1

SECTION 10: SART Midi/USEC 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemical subject to the requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

CASP: 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: Pesticide, NCI (not regulated)

Prepared by: Dana M. Thomas

Product Code: 02-031

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P/N 19-0733
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