MATERIAL SAFETY DATA SHEET

MotherEarth™ Granular Scatter Bait

MEDICAL: 800-225-3320 (Prosar)

EMERGENCY PHONE NUMBERS:

TRANSPORTATION: 800-424-9300 (Chemtrec)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MotherEarth™ Granular Scatter Bait
EPA Reg. No.: 499-515
Product Code(s): 02-0716 (4 x 4 lbs), 02-0717 (1 x 40 lbs)
EPA Signal Word: CAUTION
Distributed by: Whitemire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6582

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENT (5.0%) % CAS NO.
Boric Acid 5.0 100-43-35-3

OTHER INGREDIENTS* (95.0%)

* All ingredients may not be listed. Ingredients not listed do not meet the reporting requirements of the OSHA Hazard Communication Standard (HCS) as specified in 29 CFR 1910.1200.

EXPOSURE INFORMATION

MATERIAL OSHA PEL STEL TWA ACGIH TLV STEL TWA
Boric Acid NE 10 mg/m³ NE 10 mg/m³

SECTION 3. HAZARDS IDENTIFICATION

SIGNS/SYMPTOMS OF EXPOSURE:
Harmful if absorbed through skin. Causes moderate eye irritation.

ROUTES OF ENTRY:
Primary: Skin  Secondary: Ingestion  Tertiary: Inhalation

HAZARDOUS DECOMPOSITION PRODUCTS:
If involved in fire, toxic gases including carbon monoxide and carbon dioxide, toxic dust and smoke may be generated.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS:
Boric acid reacts with strong reducing agents, such as metal hydrides or alkali metal, will generate hydrogen gas, which could create an explosive hazard.

SECTION 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Describe any symptoms and follow the advice given.

Eye Contact: Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 min. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Note to Physician: None

Medical Conditions Generally Aggravated by Exposure: None known

Emergency Telephone Number of Prosar: 800-225-3320 (for medical emergencies)

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION:
Flash Point (TCC): NE
Explosibility Limits in Air (% by volume):
Lower (LEL) = NE  Upper (UEL) = NE

NFPA 308 Flammability: NA

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS:
Boric acid reacts with strong reducing agents, such as metal hydrides or alkali metals, will generate hydrogen gas, which could create an explosive hazard.

IN CASE OF FIRE:
Extinguisher Media: CO₂, Dry Chemical, Water, Foam

Special Fire Fighting Procedures: Respiratory protection is recommended for fire fighters. Excessive use of water may create excess run-off water which may lead to contamination of the environment. Follow environmental and personal safety precautions noted for spill or leak.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK:
Spilled material should be carefully collected and containerized in a manner that produces the least amount of airborne dust. Residual surface material may be removed with towels moistened with water.

This product contains no Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) listed chemicals. Releases of this product are NOT reportable to the National Response Center.

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

PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL:

Eyes: Use proper protection - safety glasses are recommended.

Skin: Wear chemical-resistant gloves. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Inhalation: Use of a respirator may be appropriate when working with spills in enclosed or confined spaces. When using a respirator, wear a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R or P filter. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.

WASTE DISPOSAL METHOD:
Do not contaminate water, food or feed by storage or disposal of wastes. Take full or leaking containers to a local disposal company for biological treatment or incineration. Review all local, state, and federal regulations concerning health and pollution to determine approved disposal procedures. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

SECTION 7. HANDLING AND STORAGE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS:
Keep out of reach of children. CAUTION – Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

STORAGE:
Do not contaminate water, food or feed by storage. Store in a cool, dry area. Do not store where children or animals may gain access. Keep container tightly closed.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE):
Respiratory Protection: None required when used according to label directions.
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Protective Gloves: Chemical-resistant or waterproof gloves are recommended if prolonged or repeated skin contact is likely. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Eye Protection: Use proper protection — safety glasses are recommended.

Other Protective Equipment: Long sleeved shirt, long pants and shoes plus socks.

VENTILATION

Local Exhaust: None required
Mechanical: None required
Special: None required
Other: None required

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Tan/yellow granule
Solubility in Water: Insoluble
Viscosity: NA
Boiling Point: NA
pH: 6.1 @ 75°F
Vapor Pressure: NA
Vapor Density: NA
Freezing/Melting Point: NE
Density: 0.6169 g/cm³

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions
Conditions to Avoid: None known
Incompatibility (Material to Avoid): Acidic materials may cause corrosion of base metals.
Hazardous Polymerization: Will not occur

Hazardous Decomposition Products
If involved in fire, toxic gases including carbon monoxide and carbon dioxide, toxic dust and smoke may be generated.

SECTION 11. TOXICOLOGICAL INFORMATION

Routes of Entry
Primary: Skin
Secondary: Ingestion
Tertiary: Inhalation

ACUTE

Eyes: Avoid dust contact with eyes. May cause eye irritation.
Skin: May be irritating to skin. Acute dermal LD₅₀ > 2,000 mg/kg (rabbits). Product is not a sensitizer when tested on guinea pigs.
Ingestion: Acute oral toxicity LD₅₀ > 5,000 mg/kg (rats).
Inhalation: Breathing dust may cause irritation of nose and throat. Bait particles are not respirable. The product does not represent an inhalation hazard.

CHRONIC / CARCINOGENICITY

Neither this product nor any of its ingredients are classified as carcinogens by the National Toxicity Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

SECTION 12. ECOLOGICAL INFORMATION

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high watermark. Do not contaminate water when disposing of equipment washwaters or rinsates.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal of container or waste. Dispose of container and waste in accordance with all federal, state and local regulations.

Container Disposal: Empty container by using the product according to the label directions. Do not reuse container. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations. If container is partially full, contact your local solid waste agency or call 1-800-CLEANUP for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

Waste Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. NEVER PLACE WASTE DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

SECTION 14. TRANSPORT INFORMATION

This product is not regulated for transportation via any mode of transport.

SECTION 15. REGULATORY INFORMATION

CERCLA
This product contains no CERCLA listed chemicals.

SARA TITLE III SECTION 311/312 HAZARD CLASS
This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
Immediate Health Hazard

SARA TITLE III SECTION 313 CHEMICALS
This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimus concentration level.

TSCA
All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SECTION 16. OTHER INFORMATION

NFPA HEALTH RATING INFORMATION

   HEALTH - 1  FLAMMABILITY - 1  REACTIVITY - 0

HMIS HAZARD RATING INFORMATION

   HEALTH - 1  FLAMMABILITY - 1  REACTIVITY - 0

KEY: 4 = Severe
3 = High
2 = Moderate
1 = Slight
0 = Minimal

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. For automatic MSDS updates, register at www.wmmg.com.

Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen Customer Service Department at 800-777-8570.

WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.
MotherEarth™ Granular

Scatter Bait

- For Both Interior and Exterior Use  
- For Crack & Crevice® Applications

KILLS AND CONTROLS: Ants, Cockroaches, Crickets, Earwigs, Mole Crickets, Silverfish, Slugs and Snails

FOR USE IN AND AROUND: Apartments, Food Processing Plants, Garages, Homes, Hospitals, Hotels, Kennels, Lawns, Pet Stores, Public and Private Institutions, Restaurants, Schools, Supermarkets, Vending Machines, Warehouses and Zoos

ACTIVE INGREDIENT: Boric Acid
OTHER INGREDIENTS: 5.0%  
TOTAL: 100.0%

EPA Reg. No. 499-515
KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID
IF IN EYES: Hold eyes open and rinse slowly and gently with water for 15 - 20 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 min. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-225-3320 for emergency medical treatment information.

DIRECTIONS FOR USE
IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

GENERAL INFORMATION
This product is a ready-to-use bait for the control of ants, cockroaches, crickets and silverfish including:
ANTS: Argentine, Carpenter, Thief, Pharaoh, Little Black, Pavement, Odorous House and Crazy Ants
COCKROACHES: Asian, American, Brown, Brown Banded, Smoky Brown, German and Oriental Cockroaches
CRICKETS: Camel, House, Field and Mole Crickets
- Do not contaminate this product with other pesticides. If this product becomes contaminated with another pesticide it will lose its effectiveness.
- Do not apply directly to food. In commercial food handling facilities, cover or remove any food during application. In food handling areas, bait may be placed in removable trays. Always record the number and location of bait stations. This product may be used in an Integrated Pest Management program incorporating good sanitation practices.
- This product may be applied in appropriate areas with a power duster (except in California). Consult equipment manufacturer for recommended settings.
- Children and pets should not be in the treatment area until after application is completed.
- Do not treat pets with this product.
- Avoid contamination of feed and foodstuff.
- Avoid contamination of ornamental plants.

APPLICATION INSTRUCTIONS
FOR THE CONTROL OF ANTS, COCKROACHES, CRICKETS AND MOLE CRICKETS ON LAWNS, ORNAMENTAL TURF, PLAYING FIELDS, PARKS AND GREENS OF GOLF COURSES: (Use a mechanical spreader to) Apply bait evenly to affected area at the rate of 2 lbs/1,000 ft² (3.2 oz or 2 1/2 cups/100 ft²) or 90 lbs/acre. When treating for Mole Crickets: Irrigate areas to be treated prior to application and apply product late in the afternoon. For maximum effectiveness, do not irrigate treated area immediately after application.

EXTERIOR BAITING FOR THE CONTROL OF ANTS, INCLUDING CARPENTER ANTS, AROUND HOMES AND OTHER STRUCTURES: Treat exterior perimeter areas of structure in a band at least 2 - 4 ft wide at a rate of 4 - 6 oz/100 ft². Also apply product in a 2 - 4 ft band around all trees, stumps, firewood piles and other locations where carpenter ants may nest. If the nest is located in a hollow tree or stump, apply 1/2 - 1 oz of product directly into the cavity. Apply along ant trails and in areas where ant activity has been noted.

FOR THE CONTROL OF ANTS, COCKROACHES, CRICKETS AND SILVERFISH IN AND AROUND HOMES, HOTELS, APARTMENT BUILDINGS, STORES AND RESTAURANTS (NON-FOOD AREAS), WAREHOUSES AND SEWERS: FOR INTERIOR APPLICATIONS: Apply at the rate of 4 lbs/1,000 ft² (6 oz or 1.25 cups/100 ft²) of surface area. Spread evenly in crawl spaces, attics, drop ceilings and cellars with dirt or gravel floors. In attics, be sure to apply in eaves and access drains. In ware-

WHITMIRE MICRO-GEN RESEARCH LABORATORIES, INC.

NOTE: This specimen label is for informational purposes only. All uses may not be approved in all states. See labeling which accompanied product for Directions for Use or call 800-777-9370 for more information. For automatic specimen label updates, register at www.wmgl.com.
MotherEarth™ Granular Scatter Bait

houses, garages and basements. Concentrate application along walls and baseboards. Concentrate application in areas where insect activity is most prevalent. This product may also be applied in inaccessible areas such as cracks and crevices where insects can hide. Apply in plas of elevators, dumbwaiter and trash chute shafts. Apply under and behind pallets and boxes in storage rooms. Bait may also be placed in removable trays in areas accessible to insects but away from children and pets. Always record the location and number of bait stations. In sewers, apply along ledges and around manhole entrances.

FOR EXTERIOR APPLICATION: Treat exterior perimeter building walls in a band approximately 2 ft wide and scatter bait in flower beds, leaf litter, wood piles, trash cans and refuse areas. Reapply in 7 days if necessary.

FOR TREATING NEW CONSTRUCTION: Apply in wall voids and other areas where insects may hide.

FOR PERIMETER TREATMENTS: Spread bait at a rate of 6 oz or 1.25 cups/100 ft² in a band at least 2 ft wide around foundations, patios, driveways, sidewalks, entrances to homes and buildings, or other areas where insects are present. Apply around landscape lighting, floodlights, street lamps or other exterior fixtures and scatter bait in flower beds, leaf litter, wood piles, trash cans and refuse areas. Reapply in 7 days if necessary.

FOR TREATING ANT MOUNDS: Apply 1 oz - 1 oz of this product around all ant mounds. Supplement by broadcast application in immediate area and along ant trails and in areas where ant activity has been noted.

TO CONTROL ANTS, COCKROACHES, CRICKETS AND SILVERFISH IN: Apartment Buildings, Camps, Factories, Food Handling Establishments, Garages, Grocery Stores, Homes, Hospitals, Hotels, Industrial Plants, Kennels, Libraries, Markets, Military Bases, Mobile Homes, Motels, New Construction, Nursing Homes, Offices, Pet Stores, Restaurants, Schools, Sewers, Theaters, Transportation Equipment (Aircraft, Boats, Buses, Ships, Trains), Trucks and Yachts, Utilities, Warehouses and Zoos; FOOD AREA APPLICATION LIMITED TO CRACK & CREVICE TREATMENT ONLY (SEE FOLLOWING SECTION). Apply only in areas inaccessible to children and pets. Avoid contamination of food and foodstuffs and kitchen utensils. Apply liberally, scattering dusting under and behind refrigerators, ovens, stove, sink, dish-washer, washing machine and dryer tubs, counters, into openings around drains, water pipes and electrical conduits, in cracks and crevices along baseboards and corners of cabinets, counter tops, cupboards and closets. Remove all lower drawers in kitchen and bathroom cabinets, bedroom dressers and chests of drawers, then scatter dust liberally in drawer wells. Any bait visible after application must be brushed into cracks and crevices or removed. Reapply in 7 days if necessary.

CRACK & CREVICE APPLICATIONS: Apply as a Crack & Crevice treatment using most types of dust applicators. A bellows type duster works best. Insert stem into gaps, cracks and crevices and apply 2 - 6 puffs per foot, depending upon the severity of the infestation. Drill small holes to gain access into wall voids and under cabinets. Apply in appropriate areas with a power duster (except in California). Consult equipment manufacturer for recommended settings.

RECOMMENDED APPLICATION SITES AND DIRECTIONS

1. Apply under and behind appliances in kitchens, bathrooms and utility rooms (remove kick plates if possible).
2. Kitchens and bathroom cabinets and vanities often have a space between the floor and the bottom drawer or cabinet. If a gap exists along the top of the kick plate, dust this product into the void area. If no gaps are present, a small hole may be drilled every 2 ft along the kick plate making sure to drill at least 1 hole under each cabinet and apply this product through the holes.
3. Apply in voids around plumbing pipes behind water heaters and under sinks in kitchens, bathrooms, showers and utility rooms. Escutcheon plates around pipes should be pulled back to allow access to the void.
4. Remove electrical wall socket and switch covers and dust product around boxes and into voids. Product should not be applied directly into electrical switch and outlet boxes.
5. Cracks or spaces between the wall and door frames, cabinets, counter tops, molding or baseboards provide excellent hiding places for insects and ants. Dust a small amount of this product into these areas wherever possible.
6. Apply under and behind vending machines. If access can be gained to the interior of the machine, apply around the interior base being careful not to contaminate any foodstuffs.

FOR THE CONTROL OF COCKROACHES, CRICKETS, ANTS AND SILVERFISH IN MEAT AND POULTRY PLANTS: For application only in inedible product areas as a Crack & Crevice treatment. Apply liberally to cracks and crevices in areas such as around baseboards and in closets, beneath cabinets and appliances, and around waste containers and into openings around drains, water pipes and electrical conduits. Avoid contamination of food and foodstuffs. Bait stations may be used. Always record the number and location of bait stations. This product is best used as a supplemental residual treatment preceded by approved spray and good sanitation practices.

STORAGE & DISPOSAL
Do not contaminate water, food or feed by storage or disposal. Consult federal, state or local disposal authorities for approved alternative procedures.

PESTICIDE STORAGE: Store in a dry place. Do not store where children or animals may gain access.

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site, in accordance with the label directions, or at an approved waste disposal facility.

CONTAINER DISPOSAL: Empty container by using the product according to the label directions. Do not reuse the container! Place empty container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency or call 1-600-CLEANUP for disposal instructions. NEVER PLACE UNLUBED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN.

A MotherEarth™ brand insecticide from:

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