**MATERIAL SAFETY DATA SHEET**

**MotherEarth™ D Pest Control Dust**

**MEDICAL:** 800-225-3320 (ProStar)

**EMERGENCY PHONE NUMBERS:**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>MotherEarth™ D Pest Control Dust</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Reg. No.:</td>
<td>499-509</td>
</tr>
<tr>
<td>Product Code(s):</td>
<td>C2-1000 (8 oz), C2-1001 (10 lbs)</td>
</tr>
<tr>
<td>EPA Signal Word:</td>
<td>CAUTION</td>
</tr>
<tr>
<td>Distributed by:</td>
<td>Whittemore Micro-Gen Research Laboratories, Inc. 3588 Tree Court Industrial Blvd. St. Louis MO 63122-6682</td>
</tr>
</tbody>
</table>

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

**ACTIVE INGREDIENT**

<table>
<thead>
<tr>
<th>Diatomaceous Earth</th>
<th>100</th>
<th>61700-53-2</th>
</tr>
</thead>
</table>

*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**

<table>
<thead>
<tr>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td>Diatomaceous Earth</td>
<td>NE 80 mg/m³</td>
</tr>
<tr>
<td>(Amorphous Silica – Natural Diatomite)</td>
<td></td>
</tr>
</tbody>
</table>

The American Conference of Government Industrial Hygienists (ACGIH) classifies mineral particulates as nuisance dusts. This natural Diatomaceous Earth has measured levels of less than 0.1% crystalline silica as quartz. Levels are, therefore, less than the OSHA concentration limit of 0.1%.

**SECTION 3. HAZARDS IDENTIFICATION**

**SIGNS/SYMPTOMS OF EXPOSURE**

Eye irritation, coughing, wheezing, difficulty breathing and upper respiratory tract irritation.

**ROUTES OF ENTRY**

Primary: Inhalation
Secondary: Skin
Tertiary: Ingestion

**HAZARDOUS DECOMPOSITION PRODUCTS**

None Known

**UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS**

None Known

**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 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:** Preexisting lung and respiratory conditions.

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

**SECTION 5. FIRE FIGHTING MEASURES**

**FIRE AND EXPLOSION**

**Flash Point (TCC):** NA

**Explosibility Limits of Propellant in Air (% by volume):**

- Lower (LEL) = NA
- Upper (UEL) = NA

**NFPA 308 Flammability:** NA

**UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS:**

None known

**IN CASE OF FIRE**

- **Extinguisher Media:** CO₂, Dry Chemical, Water, Foam
- **Special Fire Fighting Procedures:** None required

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**IN CASE OF SPILL OR LEAK**

Vacuum or dampen with water and sweep up material. Spilled material should be carefully collected and contained in a manner that produces the least amount of airborne dust. Residual surface material may be removed with towels moistened with water. Wet floors may become extremely slippery in the presence of this dust. 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 Chemtec:** 800-424-9300 (for transportation spills)

**SECTION 7. HANDLING AND STORAGE**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Keep out of reach of children. CAUTION – Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Use adequate ventilation and avoid breathing dust. For prolonged exposure to dust, use a suitable dust mask approved by NIOSH/MSHA.

**STORAGE**

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 8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Respiratory Protection:** None required when used according to label directions. For prolonged exposure or if used in enclosed or confined areas with the potential for high dust exposure, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an N filter may be used. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.
MATERIAL SAFETY DATA SHEET

MotherEarth™ D Pest Control Dust

Protective Gloves: Chemical-resistant 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: None required

VENTILATION
Local Exhaust: Recommended
Mechanical: None required
Special: None required
Other: Provide adequate ventilation

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Fine tan powder
Odor: Characteristic earthy odor
Solubility in Water: Not soluble
Viscosity: NA
Vapor Density: NA
Boiling Point: NE
Melting Point: 1,400°F
pH: NE
Density: 2.2 lbs/ft³

SECTION 10. STABILITY AND REACTIVITY
Stability: Inert, stable
Conditions to Avoid: None known
Incompatibility (Material to Avoid): Avoid contact with hydrofluoric acid; heat may be generated.
Hazardous Polymerization: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS
None known

SECTION 11. TOXICOLOGICAL INFORMATION
Primary: Ingestion
Secondary: Skin
Tertiary: Ingestion

ACUTE
Eyes: May cause temporary discomfort and irritation.
Skin: No known concern
Ingestion: No known hazard
Inhalation: Acute accidental exposure would be nonspecific. Symptoms might include coughing, wheezing, difficulty breathing and upper respiratory tract irritation.

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
No information available.

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 this container! Place empty container in trash or offer for recycling if available. If container is partly full, contact your local solid waste agency or call 1-800-CLEANUP for disposal instructions.
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 WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

SECTION 14. TRANSPORT INFORMATION

SECTION 15. REGULATORY INFORMATION

CERCLA
This product contains no CERCLA listed chemicals.

SARA TITLE III SECTION 302, 304 CHEMICALS
This product has been reviewed according to the EPA “Hazard Categories” promulgated under Section 311 and 312 of the Superfund Amendment 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 minimis concentration level.

CALIFORNIA SAFE DRINKING AND TOXIC ENFORCEMENT ACT (PROP 65)
This product contains a de minimis amount of naturally occurring crystalline silica and arsenic, chemicals known to the state of California to cause cancer.

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 - 0
REACTIVITY - 1

HMIS HAZARD RATING INFORMATION

HEALTH - 1
FLAMMABILITY - 0
REACTIVITY - 1

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

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

Pest Control Dust

CONTROLS: Ants, Cockroaches, Earwigs, Fleas, Mites, Spiders and other Crawling Insects

FOR USE IN AND AROUND: Businesses, Commercial Areas, Food/Feed Handling Establishments, Homes and other Residential Areas, Institutional Areas and Schools

ACTIVE INGREDIENT: Diatomaceous Earth (including silicon dioxide, other oxides and moisture) ......................................................... 100%

MotherEarth D consists of the skeletal remains of fresh water diatoms and contains amorphous silicon dioxide. This product is intended for indoor and outdoor use to control ants, cockroaches, earwigs, fleas, mites, spiders and other crawling insects.

EPA Reg. No. 499-509
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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Call 1-800-225-3320 for further information.

FOOD AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS: Food/feed handling establishments are places other than private residences in which food/feed is held, processed, prepared or served.

In food handling areas, or areas where food or feed products are prepared or stored, apply as a Crack & Crevice™ or spot treat. As a Crack & Crevice treatment, apply sparingly into cracks and crevices using equipment designed to place powder into specific locations. Limit spot treatments to walls or floors where pests are suspected of hiding. No individual spot treatments should exceed 2 ft. Remove or cover all food or feed items in the treatment area before applying product. Treat open spaces below floors, above ceilings, within walls, under stairs, underneat and behind equipment or appliances, around pipes and sinks, in utility closets and around garbage and waste cans. For best results, apply to dry areas. Repeat treatment on dry surfaces as needed to maintain control of pest(s).

For use in federally inspected meat and poultry plants.

FLEAS: To control fleas infesting pet areas, thoroughly treat floor and bedding in and around pets' sleeping quarters. Treat sunbathing cracks and crevices, baseboards, furniture, carpeting and wherever fleas are suspected. Apply a thin coat of dust to rugs and carpets. Rake (not sweep) rap back and forth, causing dust to enter rug or carpet. Let product sit overnight. Repeat application as necessary and vacuum every 3 - 4 days for effective flea control. MotherEarth D will kill fleas and help deodorize carpet or rug.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Use adequate ventilation and avoid breathing dust. For prolonged exposure to dust, use a suitable dust mask approved by NIOSH/MSHA.

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

INDOOR USE
ANTS, COCKROACHES, EARWIGS, SPIDERS AND OTHER CRAWLING INSECTS: Using a hand duster, apply lightly in dry areas where crawling insect pests are found or may hide, including cracks and crevices, along baseboards, around sipes, cabinets, refrigerators and stoves and in attics and basements. Direct contact with dry dust is required for effective control.

OUTDOOR USE
ANTS, EARBIGS, MITES, SPIDERS AND OTHER CRAWLING INSECTS: Using a hand duster or other equipment suitable for application of dust, dust lightly in areas where insects are found such as windowsills and doorframes, around foundations and along ant trails. Direct contact with dry dust is required for effective control. Repeat treatment in problem areas as necessary for control.

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE AND SPILL PROCEDURES: Store in original container in dry location. In case of spill, vacuum or dampen with water and sweep up.

CONTAINER DISPOSAL: If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Contact Your Local Solid Waste Agency or call 1-800-CLEANUP for disposal instructions.

NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

A Prescription Treatment™ brand insecticide from:
Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-8682
© 2006 Whitmire Micro-Gen Research Laboratories, Inc.

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 800-777-8570 for more information. For automatic specimen label updates, register at www.wmml.com.

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