

# M A T E R I A L   S A F E T Y   D A T A   S H E E T

## MotherEarth™ D Pest Control Dust

### EMERGENCY PHONE NUMBERS:

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

**TRANSPORTATION:** 800-424-9300 (Chemtrec)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** MotherEarth™ D Pest Control Dust  
**EPA Reg. No.:** 499-509  
**Product Code(s):** 02-1000 (12 x 8 oz)  
 02-1001 (1 x 10 lbs)  
**EPA Signal Word:** CAUTION  
**Distributed by:** Whitmire Micro-Gen Research Laboratories, Inc.  
 3568 Tree Court Industrial Blvd.  
 St. Louis MO 63122-6682

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### COMPOSITION INFORMATION

ACTIVE INGREDIENT* (100%)	%	CAS NO.
Diatomaceous Earth (including silicon dioxide, other oxides and moisture)	100	7631-86-9

\* 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		ACGIH TLV	
	STEL	TWA	STEL	TWA
Diatomaceous Earth (Amorphous Silica – Natural Diatomite)	NE	80 mg/m <sup>3</sup>	NE	10 mg/m <sup>3</sup>

\* The American Conference of Government Industrial Hygienists (ACGIH) classifies mineral particulates as nuisance dusts. This natural Diatomaceous Earth has measured levels of < 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 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.

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

**Note to Physician:** None

**Medical Conditions Generally Aggravated by Exposure:** Preexisting lung and respiratory conditions.

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

### SECTION 5. FIRE FIGHTING MEASURES

#### FIRE AND EXPLOSION

**Flash Point (TCC):** NA

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

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

**NFPA 30B Flammability:** NA

#### UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known

#### IN CASE OF FIRE

**Extinguisher Media:** Carbon Dioxide, 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 containerized 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 Chemtrec:** 800-424-9300 (for transportation spills)

#### PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

**Eyes:** Use proper protection – safety glasses are recommended.

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

**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.)

#### 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** – 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. Store in original container in a cool, dry place inaccessible to children.

# MATERIAL SAFETY DATA SHEET

## MotherEarth™ D Pest Control Dust

### SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Eye Protection:** Use proper protection – safety glasses are recommended.

**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 prefilter may be used. See 29 CFR 1910.134 for respiratory protection, training and testing requirements.

**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.)

**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 white powder

**Odor:** Characteristic earthy odor

**Solubility in Water:** Not soluble

**Vapor Pressure:** NA

**Viscosity:** NA

**Vapor Density:** NA

**Boiling Point:** NE

**Melting Point:** 1,400°F

**pH:** NE

**Density:** 2.2 lbs/ft<sup>3</sup>

### SECTION 10. STABILITY AND REACTIVITY

#### 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

#### ROUTES OF ENTRY

**Primary:** Inhalation

**Secondary:** Skin

**Tertiary:** Ingestion

#### ACUTE

**Eyes:** Causes moderate eye irritation.

**Inhalation:** Acute accidental exposure would be nonspecific. Symptoms might include coughing, wheezing, difficulty breathing and upper respiratory tract irritation.

**Skin:** No known concern

**Ingestion:** No known 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

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: 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 for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

### SECTION 14. TRANSPORT INFORMATION

#### SHIPMENT BY GROUND WITHIN U.S. (DOT CLASSIFICATION)

**Proper Shipping Description:** Pesticide, dry (Not Regulated)

**Package Marking:** None required

**Package Labeling:** None required

**Certified Packaging:** None required

Product in unopened original packaging is compliant with all regulations for ground shipment within the U.S. WMG disclaims any liability for claims or damages that may result from shipment by other means. Packages offered or intended for other modes of transportation are subject to additional requirements. Consult an appropriately trained Shipping Professional before offering for shipment.

### SECTION 15. REGULATORY INFORMATION

#### CERCLA

This product contains no CERCLA listed chemicals.

#### SARA TITLE III SECTIONS 311/312 HAZARD CLASS

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 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 (Acute) 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    INSTABILITY - 1

#### HMIS HAZARD RATING INFORMATION

HEALTH - 1    FLAMMABILITY - 0    PHYSICAL HAZARD - 1

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.

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

NA - Not Applicable  
NE - Not Established  
PEL - Permissible Exposure Limit  
TLV - Threshold Limit Value  
STEL - Short Term Exposure Limit (15 min)  
TWA - Time Weighted Average (8 hr)



**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.

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