



Eyemark  
.5" x 3"

4.5"



# DESECT™

DIATOMACEOUS EARTH INSECTICIDE

**Ep** Naturals™  
The Diatomaceous Earth Experts  
**High Quality**  
**Diatomaceous Earth**



30"

- Kills ants, cockroaches and other insects.
- For use on crops, orchards, gardens & plants.
- For use in homes, apartment buildings, hotels, farms, ranches, animal stalls, animal bedding, stored grains and insulation.
- Aids in the control of fleas, ticks, mites and other pests on pets, poultry and livestock.
- Odorless, non-staining.

**ACTIVE INGREDIENTS:**

Silicon Dioxide, from diatomaceous earth .....	85%
Other Elemental Oxides.....	10%
Moisture .....	5%
Total .....	100%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panel for additional Precautionary Statements and Directions for Use

[www.epminerals.com](http://www.epminerals.com)

**NET CONTENTS 25 LB / 11.34 KG**

4.5"

# DESECT™ DIATOMACEOUS EARTH INSECTICIDE

**Ep Naturals™**  
The Diatomaceous Earth Experts

DEsect™ Diatomaceous Earth Insecticide physically abrades & absorbs the exterior protective waxy cuticle layer of the insect, resulting in rapid death by dehydration. Insects cannot become immune to its action.

## FIRST AID

### If Swallowed:

- 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 a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

### If Inhaled:

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

### If on Skin or Clothing:

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

### If in Eyes:

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

Have product container or label with you when calling a poison control center or doctor, or going for treatment.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### HAZARDS TO HUMANS:

**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. Wear a suitable dust mask when using this product during prolonged exposure. Respirators fitted with filters certified to standard 42 CFR 84 as meeting N95 efficiency are suitable.

#### HAZARDS TO DOMESTIC ANIMALS:

USE ONLY ON DOGS AND CATS. Do not use on dogs and cats under 12 weeks old. Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing, or medicated animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear the following:

- long-sleeve shirt
- long pants
- shoes and socks
- Wear a suitable dust mask approved by NIOSH/MSHA

## USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been heavily contaminated with the product. Do not reuse them. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

## NON-AGRICULTURAL USE REQUIREMENTS

Only protected handlers may be in the area during application. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

## ENVIRONMENTAL HAZARDS

**For terrestrial uses:** Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Consists of amorphous diatomaceous earth and crystalline silica in varying amounts (typically less than 1%).

## CALIFORNIA PROPOSITION 65:

This product contains crystalline silica, a chemical known to the State of California to cause cancer.

To the extent consistent with applicable law, manufacturer makes no warranty, expressed or implied, regarding the performance of this product in the absence of control over how it is used.

EP Naturals™, a division of EP Minerals, LLC.  
Manufactured by EP Naturals.  
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EPA REG. No 7655-1  
EPA EST. No. 7655-NV-001  
Batch code: \_\_\_\_\_  
PRODUCT OF USA

C252



## READ ENTIRE LABEL BEFORE EACH USE

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. DEsect Diatomaceous Earth Insecticide kills Roaches, Slugs, Ants, Earwigs, Grasshoppers, Crickets, Silverfish, Millipedes, Centipedes, Sow bugs, Pill Bugs, Lice, Mites, Box Elder Bugs and Carpet Beetles. DEsect Diatomaceous Earth Insecticide is also effective against Fleas, Ticks, Aphids, Snails and Japanese Beetles. DEsect Diatomaceous Earth Insecticide is an effective insecticide for killing stored grain insects such as Rice Weevils, Granary Weevils, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Red Flour Beetles and Tribolium.

**Crop Use:** DEsect Diatomaceous Earth Insecticide is an effective insecticide for crops and orchards. Apply with manual or powered dry dusting applicators or solution application through industrial spray equipment. Starting point for spray solution is approximately 1 lb/gallon of water (can be varied depending on equipment application rate capability). Minimum application rate is 1 lb/1000 ft<sup>2</sup> (or approximately 50 lbs/acre). Higher concentrations may be necessary to ensure necessary coverage. Application should result in a thin layer of DEsect Diatomaceous Earth Insecticide covering plants. DEsect Diatomaceous Earth Insecticide adheres well to plant surfaces, however, repeat applications may be necessary following extreme wind and/or rain events.

**Indoor Use:** Apply using a squeeze bottle duster, bulb puffer type duster, or hand held shaker duster, at a rate of 1-2 lbs/1000 ft<sup>2</sup>. Apply thin layer of dust to baseboards, corners, crevices, outlets, attics, crawl spaces, closets, wall voids, etc. to ensure a continuous perimeter around home, structure and/or rooms.

**Outdoor Use (Home, Garden, Farm, Ranch):** Apply using manual hand held shaker, bulb, bellows, or piston type manual or powered dry dust applicators, or solution application through garden or industrial spray equipment at a rate of 2-5 lbs/1000 ft<sup>2</sup>. Starting point for spray solution is approximately 1 lb DEsect Diatomaceous Earth Insecticide/gallon of water. For Homes, Farm and Ranch, apply powder or solution in all areas where insects are found including door frames, window sills, outside entry ways, barns, stalls and other outdoor structures.

*Garden & Plants:* Apply dust or solution to entire plant and around the base of plants.

*Fruit Trees:* Apply dust or solution to leaves and put a perimeter of dust around the trees.

**Stored Grains and Other Commodities:** DEsect Diatomaceous Earth Insecticide can be used with feed grains, seed, stored grains and other raw agricultural products (barley, buckwheat, corn, oats, rice, rye, sorghum, wheat, flax, peas, soybeans, peanuts, popcorn, cocoa beans and mixtures of these grains). DEsect Diatomaceous Earth Insecticide is an effective insecticide for killing insects such as Rice Weevils, Granary Weevils, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Red Flour Beetles and Tribolium in empty bins, warehouses, boxcars, containers, ships and silos. Moisture content of grain should be regulated to less than 12% for effective insect control. DEsect Diatomaceous Earth Insecticide can be applied to the grain or other agricultural products at the time of storage and should be added at a point where sufficient blending can occur. DEsect Diatomaceous Earth Insecticide can be applied at a rate of 1 to 7 pounds per ton and can be mixed throughout the entire grain mass, or used as a top and/or bottom dressing. Uniformity of blend is important for efficient pest control. For dressings, treat the top and bottom 3-4 feet of the bin. Apply DEsect Diatomaceous Earth Insecticide at the recommended rate since treated grain may have reduced flowability.

**Stored Grain Surface Application:** Apply DEsect Diatomaceous Earth Insecticide at a rate of 4 pounds per 1000 square feet of surface area over the top of the grain bed. If surface is disturbed so that protective barrier is breached, reapply DEsect Diatomaceous Earth Insecticide at a rate of 4 pounds per 1000 square feet.

**Empty Storage Area Treatment:** DEsect Diatomaceous Earth Insecticide should be dusted lightly, at an approximate rate of 1-2 lbs per 1000 ft<sup>2</sup> on all interior wall and floor surfaces of empty storage areas. Pay special attention to those areas of harborage for insects (cracks and crevices).

*Grain Quality:* USDA directive 918.49 advises that grain properly identified as containing DEsect Diatomaceous Earth Insecticide will not be downgraded solely based on diatomite content. Refer to the USDA Directive for proper identification and grading procedures.

**Insulation:** DEsect Diatomaceous Earth Insecticide can be mixed with cellulose insulation to aid in the control of insects. Mix 1 lb of DEsect Diatomaceous Earth Insecticide with 20-25 lbs of cellulose insulation while blowing the insulation material into treatment site. DEsect Diatomaceous Earth Insecticide may also be applied at 1-2 lbs/1000 ft<sup>2</sup> into insulated wall cavities, crawl spaces & attics with a manual or powered duster.

**DOGS AND CATS** (Aides in the control of Fleas, Ticks, Lice & Mites.)

### USE ONLY ON DOGS AND CATS

Apply DEsect Diatomaceous Earth Insecticide thoroughly into animal's fur using a squeeze bottle or bulb type puffing duster. Brush the animal's hair backwards with hand or brush, while puffing the dust at the base of the hair. Application over the entire animal is necessary. Be sure to carefully apply to head to avoid contact with eyes and inside ears. Wipe excess off with a damp cloth being careful not to remove product that is near the animal's skin and in contact with insects. Reapply weekly for a period of 30-45 days (to ensure insect life cycle is broken). Observe for signs of sensitivity, such as drying skin or rash (not common). If pet exhibits signs of sensitivity, product can be removed by bathing.

**Application to Dog or Cat Areas:** Treat floor and bedding in and around pet's sleeping quarters including baseboards, carpeting and wherever insects are suspected.

*Carpet Application:* Apply to carpet at a rate of 1-2 lbs per 1000 ft<sup>2</sup>. Sprinkle lightly over carpet and work into nap with broom or carpet rake. Vacuum carpet every week and reapply until insect life cycle is broken (approximately 30-45 days).

**USE ON LIVESTOCK AND POULTRY** (Aides in the control of Fleas, Ticks, Mites and other pests on poultry and livestock.)

**Livestock:** Apply DEsect Diatomaceous Earth Insecticide thoroughly over animal using a handheld manual or power duster. Be sure to carefully apply to head avoiding contact with eyes and inside ears. DEsect Diatomaceous Earth Insecticide may also be added to tightly woven burlap sacks that can be hung in an accessible area, where animals can rub and self-dust themselves. Apply around barn, stables, holding areas, bedding and manure piles following Outdoor Use instructions. Reapply after mucking the barn and stalls, and as necessary to control the above listed pests.

**Poultry:** Apply DEsect Diatomaceous Earth Insecticide to fowl coops, roosts, nesting boxes, dusting boxes and pens following Outdoor Use instructions. Apply light dusting to fowl feathers using a handheld manual or power duster. Be careful to avoid application to head and eyes. Reapply as necessary to control the above listed pests.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by improper storage or disposal.

**Pesticide Storage:** Store in a cool, dry place.

**Pesticide Disposal and Container Handling:** Non refillable container. Do not reuse or refill this container. **If empty:** Place in trash can or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

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30"