

PERMA-GUARD™

NATURAL D.E. INSECTICIDES



Perma-Guard is one of the original natural insect control producers using diatomaceous earth (DE). The deposit from which Perma-Guard draws the DE for its formulated products was chosen for the consistency of the diatoms in the deposit and for its purity. Unlike some salt water deposits of DE with many different types of diatoms present that are fragile and inconsistent, the DE in Perma-Guard is of the highest quality. If the diatoms are not the proper shape and are fragile or, if the deposit contains clay or other unwanted sediment, it would not be as effective in an insecticidal formulation.

Perma-Guard's insecticides kill by physical action, not chemical. First, by being abrasive to the insects exoskeleton and by absorbing its bodily fluids, Perma-Guard poses no harm to non-target warm-blooded life. The addition of Pyrethrin (extract of chrysanthemum flower) and Piperonyl butoxide (extract of sassafras plant) work to irritate the target bugs, causing them to become active, allowing the DE to work more quickly. The pyrethrin and piperonyl butoxide gradually become inactive after about three months following application, so the products do not contain persistent chemicals that would be harmful to the environment and to higher forms of life. Also, Perma-Guard products contain no toxic compounds to which insects might become immune -- it is a natural insecticide.



The fresh water, naturally occurring DE deposits

PERMA-GUARD BENEFITS:

- Kills insects fast
- Kills insects mechanically and botanically
- Broad range of insects controlled
- Highly effective formulas
- Highly repellent
- Easy to apply
- Low toxicity for people

used in Perma-Guard products are designated FOOD-GRADE by the FDA. They have less than 3% crystalline silica and other sediments, that are considered unsafe, are also below harmful limits.

These unique DE deposits are primarily Amorphous Silica which is harmless when ingested and is commonly used in the feed and food industries. The DE used in any water filtration system contains DE that has been chemically treated and heated, making the silica crystalline which is a dangerous respiratory hazard and lethal if ingested. Be certain to use only Food-Grade DE products for your insect control needs.

Perma-Guard products are a much needed revolution for pest control. Used properly, these products are certain death to insects.

Moreover, in any situation, these natural pesticide products have a remarkable repellency factor. As long as Perma-Guard is present, insects tend to stay away, making a serious re-infestation unlikely. Also, the more it is used, the more an environment is created that keeps insect populations in check.

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TECHNICAL DATA:



Perma-Guard products are dry powders which consist of diatomaceous earth (DE), pyrethrin (chrysanthemum plant) and piperonyl butoxide (botanical extract) used as a natural multi-purpose insecticide. Use indoors and outdoors for homes, office buildings, restaurants, warehouses, schools, hotels, food processors, golf courses, and other places with insect infestations.

PERMA-GUARD PRODUCTS

D-20 Household Insecticide

This is the strongest formula and is effective against roaches, silverfish, ants, flies, fleas, box elder bugs, bed bugs, etc. in the home.

D-20 Pet & Animal Powder

This formula is very effective against fleas and ticks on animals. Instructions on the label should be followed to assure effectiveness. It is also helpful to apply on animal bedding and in kennels.

D-21 Garden & Plant Dust

Protects plants against a vast number of insects as listed on the label, whether around the home landscape or in the garden. It can be used on food crops even on the day of harvest.

D-20 Commercial Insecticide

For use by professional exterminators and/or government agencies handling their own exterminating problems. Especially good for controlling roaches in sewer lines.

D-20 Fire Ant Powder

This product kills fire ants and a great many other insects. Use wet or dry according to the instructions on the label.

DOSAGE AND APPLICATION METHODS:

Fire Ant Insecticide D-20:

As a Dust: For best results apply Perma-Guard on a dry day where no rain is expected. First dust the perimeter of the mound with Perma-Guard. Then, with a pitchfork or stick, disturb the mound in a circular motion working toward the center until the entire mound is thoroughly covered with the Perma-Guard powder.



Mound Drench Or Water

Method: Use 4 Tbsp. of Perma-Guard to one gallon of water. For best results saturate the perimeter of the mound first working towards the center of the mound in a circular motion (you may want the mixture to puddle). An ant mound 12-14 inches in diameter requires approximately one gallon of the mix.



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