



## BRANDT® Inorganic and Organic Dusts

# Organic and Inorganic Dusts for Crawling Pests and Wood Destroying Organisms

### What are Inorganic and Organic Dusts?

Dusts are ideal formulations for controlling pests in cracks and voids. When used correctly, dusts are one of the best tools available to pest management professionals.

There are two types of dusts used as insecticides in structural pest management: organic and inorganic dusts.

- Inorganic dusts are derived from sources within the earth and do not break down. Inorganic dusts such as boric acid, silica gel and diatomaceous earth can kill insects upon contact for years after application if the application area remains dry.
- Organic dusts are man-made and will break down and become ineffective after a period of time. Some organic dusts contain pyrethrins, piperonyl butoxide (PBO) or both; and others contain synthetic pyrethroids.

### Mode of Action

- BRANDT® BIOGARD® DUST and BRANDT® INSECTSTOP™ DUST both have an inorganic dust base with natural pyrethrins (organic component) or a pyrethrum synergized with PBO. Shortly after application, the organic components degrade while the inorganic component remains effective for an extended period of time until it is removed or gets wet.
- BRANDT® WOOD-BOR™ is a borate combined with the inorganic insecticide disodium octaborate tetrahydrate. It is applied as a dry dust into termite and carpenter ant galleries; and into cracks for controlling cockroaches and other pests.

BIOGARD is a registered trademark of Laverlam International Corporation.

### The Advantages of Dusts as Insecticides

When applied properly, dust insecticides have many advantages over other types of formulations in treating structural pest infestations.

- Broad spectrum control of a wide array of pests including ants, cockroaches, spiders, wasps, bed bugs, occasional invaders and stored product pests.
- Longer residual control
- Ease of application
- Lower cost
- Good coverage on treated surfaces
- Ease of attachments to insect's legs and body
- Little to no odor
- Better resistance
- Less need for frequent retreatments

Many of the pests encountered in buildings such as ants and cockroaches live and hide in cracks and voids. Dust insecticides are the ideal choices for treating cracks and voids, as it is easier to get complete coverage. The dust remains dry and undisturbed in cracks and voids, and gets picked up by insects when they walk across treated surfaces.

To learn more about BRANDT® inorganic and organic dusts, contact Mohamed Rachadi, Ph.D at [Mohamed.Rachadi@Brandt.co](mailto:Mohamed.Rachadi@Brandt.co) or 678-644-5327

Brandt Consolidated, Inc.  
[www.BRANDT.co](http://www.BRANDT.co)

**BRANDT®**

# Crack and Void Treatments for Crawling Pests

## BRANDT® WOOD-BOR™

### Active Ingredient

Disodium Octaborate Tetrahydrate (Na <sub>2</sub> B <sub>8</sub> O <sub>13</sub> -4H <sub>2</sub> O) .....	98.0%
Other Ingredients .....	2.0%
Total .....	100.0%

(Product contains 2% H<sub>2</sub>O-absorbed moisture)

EPA Reg. No. 19713-286-48813

BRANDT WOOD-BOR helps preserve, protect and prevent wood against decay fungi and wood-destroying insects; and helps with remedial control of pests in infested wood. It also protects wood-foam composite structural components.

### Target Organisms

- Decay fungi, including brown (i.e. *Poria*), white and wet rots
- Wood boring insects including, but not limited to termites, beetles and carpenter ants
- Subterranean termites: *Reticulitermes*, *Heterotermes*, *Coprotermes* (*Formosan*)
- Drywood termites: *Kalotermites*, *Incisitermes*
- Dampwood termites: *Zootermopsis*
- Powder-post beetles: *Lyctidae*
- "False" powder-post beetles: *Bostrichidae*
- Furniture and deathwatch beetles: *Anobiidae*
- Old house borers and longhorn beetles: *Cerambycidae*
- Ambrosia beetles: *Scolytidae*

Please consult label for a complete list of controlled organisms.

### Application Information

This product may be used as a solution, powder or foam. Two applications of 10% solution or one application of 15% solution can typically be applied to wood surfaces by brush or spray. Application of the solution may also be made by drilling and then injecting under pressure into sound wood or the galleries of infested wood. As a foam, this product may be applied directly to wood surfaces or injected into insect galleries or wall voids.

### Remedial and Preventative Treatment

Solutions: For remedial control of organisms attacking wood or for protection of wood against future infestations, 2 applications of 10% aqueous solution are normally required. Alternatively, apply 1 application of the 15% aqueous solution.

### General Insect Control

This product may also be used as a crack and crevice and void treatment for general insect control such as Ants, Crickets, Earwigs, Roaches and Silverfish.

Dust this product into wall voids and hiding places such as cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators, behind baseboards, coffee makers, meter boxes and manholes. No powder should be visible in living areas after application. Any powder visible after application must be brushed into cracks and crevices or removed. Apply only in areas inaccessible to children and pets. Avoid contamination of feed and foodstuffs. Do not use in serving areas when food is exposed.

## BRANDT® BIOGARD® DUST

### Active Ingredient

Pyrethrins .....	1.0%
Other Ingredients .....	99.0%
Total .....	100.0%

Contains 0.01 lbs active ingredient per pound

EPA Reg. No. 82074-12-48813

## BRANDT® INSECTSTOP™ DUST

### Active Ingredients

Pyrethrins .....	0.1%
Piperonyl Butoxide* .....	1.0%
Other Ingredients .....	98.9%
Total .....	100.00%

\*(Butylcarbityl) (6-Propylpiperonyl) ether and related compounds

EPA Reg. No. 47000-65-48813

### Controlled Pests

BRANDT® BIOGARD® DUST and BRANDT® INSECTSTOP™ DUST offer broad spectrum control of a wide array of pests, including: Ants, bedbugs, beetles, booklice, borers, carpenter ants, carpenter bees, carpet beetles, centipedes, cockroaches, crickets, dust mites, earwigs, fleas, hornets, millipedes, mites, pill bugs, scorpions, silverfish, spiders, termites, ticks, wasps, weevils, yellow jackets.

Please consult labels for a complete list of pests.

### Use Sites

Dust insecticides are the ideal choices for treating cracks and voids in and around:

Animals quarters, apartments, bakeries, barns, basements, bathrooms, bedding, bedrooms, beverage plants, boats, bookcases, bottling plants, buses, cabins, cafeterias, campers, commercial buildings, condominiums, day care centers, dormitories, drive-ins, drugstores, dumpsters, factories, farms, food/feed processing plants, food/feed storage areas, funeral parlors, garages, garbage cans, grain elevators, grain storage, greenhouses (non-plant use), homes, horse stables, hog barns, hospitals (non-occupied patient areas), hotels, houses, industrial plants, indoor eating establishments, institutions, jails, kennels, kitchens, locker rooms, man holes, mausoleums, mobile homes, morgues, mortuaries, motels, nursing homes, offices, railroad cars, recreational vehicles, restaurants, schools, ships, stadiums, stables, stored product areas, swine houses, theaters, tobacco warehouses, trailers, trains, trucks, warehouses, washrooms and zoos.

Please consult labels for a complete list of use sites.

The type of dust chosen will depend on the target pest, the site being treated, and the type of area within the site:

- The type of surface to be treated
- The conditions present at the treatment site for example, wet or dry.
- The type of treatment technique selected (Crack, Void)
- The type of equipment needed for the treatment
- Any concerns about detectable chemical odors

Always read and follow label directions