

Boric Acid EP

{ABN: Boric Acid EP Powder}

{Select Marketing Claims from "Marketing Claims" section}

BORIC ACID	GROUP	8D	INSECTICIDE
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Active Ingredient:

Boric Acid (CAS No. 10043-35-3) 100%
[Boric Oxide (B₂O₃) equivalent: 56.30%]

Keep Out of Reach of Children
CAUTION

See back [side] panel for First Aid and additional Precautionary Statements.

Net Wt. 55.1 lbs (25 kg)
[Net Wt. 2204.6 lbs (1000 kg)]

EPA Reg. No. 73605-10 EPA Est. 73605-VA-1

{Back/Side Panel}

First Aid

If Swallowed:	<ul style="list-style-type: none">• Immediately call a poison control center or doctor 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.
If in Eyes:	<ul style="list-style-type: none">• Hold eyes 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 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. For medical emergencies call the poison control center at 1.800.222.1222. For general information on this product, call the National Pesticides Information Center (NPIC) at 1.800.858.7378 Monday through Friday, 8:00 am to 12:00 pm Pacific Time (or <http://npic.orst.edu>). For transportation emergency information contact CHEMTREC at 1.800.424.9300.

{Note: The First Aid statements' grid format will be used if label allows, otherwise a paragraph format will be used.}

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Remove and wash contaminated clothing before reuse. Thoroughly wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment ("PPE")

Mixers/loaders, applicators and other handlers must wear: Long-sleeved shirt, long pants, shoes, socks, protective eyewear, chemical-resistant gloves (such as any waterproof material). When using pressurized equipment to load and apply dust products to structural building components wear a minimum of a NIOSH-approved particulate filtering

facepiece respirator with any N, R or P filter; or a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; or a NIOSH-approved powered air purifying respirator with HE filters.

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet; Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate; do not reuse them. Follow manufacturers' instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Immediately remove clothing if pesticide gets inside, then thoroughly wash and put on clean clothing; Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Wood treatment facilities must take steps to prevent runoff of the product into the waterway. Treated material stored outdoors within 100 feet of a pond, lake, stream or river must be covered, surrounded by a containment berm or otherwise protected to prevent surface water runoff. The containment berm must be of sufficient height to prevent runoff during heavy rainfall events.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Resistance Management

For resistance management, Boric Acid EP contains a Group 8D insecticide. Any insect population may contain individuals naturally resistant to Boric Acid EP and other Group 8D insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same applications. Appropriate resistance-management strategies should be followed. To delay insecticide resistance, take the following steps:

- Rotate the use of Boric Acid EP or other Group 8D insecticides within different groups that control the same pests.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, record keeping, and which considers biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, contact American Borate Company representatives at 1-800-486-1072.

Respirator Fit Testing, Medical Qualification and Training

Using a program that conforms to OSHA's requirements (see 39 CFR Part 1019.134), employers must verify that any handler who uses a respirator is:

- Fit-tested and fit-checked
- Trained
- Examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn. A qualified medical practitioner is a physician or other licensed health care professional who will evaluate

the ability of a worker to wear a respirator. The initial evaluation consists of a questionnaire that asks about medical conditions (such as a heart condition) that would be problematic for respirator use. If concerns are identified, then additional evaluations, such as a physical exam, might be necessary. The initial evaluation must be done before respirator use begins. Handlers must be reexamined by a qualified medical practitioner if their health status, respiratory style or use-conditions change.

- Upon request by local/state/federal/tribal enforcement personnel, employers must provide documentation demonstrating how they have complied with these requirements.

General Insect Control

To Kill Ants (excluding Carpenter Ants), Darkling Beetles, Palmetto Bugs, Roaches, Silverfish and Waterbugs

Use Restrictions

- Do not apply this product in areas accessible to children and pets.
- Do not introduce this product into the air.
- Any powder visible outside of a crack or crevice treatment area must be removed.
- This product can be applied only as a mop, spot or crack and crevice treatment in food areas; any powder visible after application must be removed and the exposed surface washed.
- Do not contaminate food or feedstuffs. Do not apply this product in areas where food or feed is exposed.
- Do not apply this product to a surface if it is likely to be contacted by food after application.
- Use of this product for the control of bed bugs is prohibited.
- Applications to carpets are prohibited.

For treatments in poultry houses/industrial/commercial/structural buildings, do not apply with pressurized application methods except for use with crack and crevice, spot or void treatments. Use hand-operated pump or backpack sprayers.

For use in and around agricultural, animal rearing and handling establishments, commercial, daycare, educational, food handling and food processing establishments, garages, facilities (healthcare, hospitality, industrial, institutional, multi-family, municipal, recreational, research), new building construction, residential and other man-made structures, transport vehicles and sewers.

Apply around, behind in or under sites including: appliances, attics, baseboards, cabinet voids, counters, cracks, crawl spaces, crevices, door frames, drawer wells, dropped ceilings perimeter, eaves, electrical conduits, elevator pits, garbage chutes, hinges, pipe chases, plumbing voids, sinks, trim, tubs, trash closets, utility closets, vending machines, vent stacks, walls and wall voids.

For void, spot, crack and crevice treatments apply this product at the rate of [up to] 1 lb./1000 sq. ft. Apply this product, using suitable application equipment, where insects may harbor and where insects, or their signs, have been seen.

In attics, apply this product near the eaves, vent pipes and around any pipes or potential access points between the attic and the main structure.

For cabinetry and drawer applications, drill small holes to access the space between the lower cabinet/drawer and the kick plate, if necessary. Dust drawer wells after removing kitchen and bathroom cabinet bottom drawers. Leave no exposed powder after replacing drawers.

For application to wall voids, move metal collars surrounding pipes and remove electrical switch plate covers to allow access to voids. Do not apply this product directly into electrical boxes.

Lightly dust this product in cracks and crevices, then seal after infestation has been eliminated to prevent reinfestation.

For the Control of Beetles (Darkling, Hide, Lesser Mealworm) and Flies

For Beetle (darkling, hide and lesser mealworm) and Fly (adults and larvae) control in barns in which hogs are raised and poultry houses in which birds are raised:

Dry Application: Remove birds/hogs prior to application. Using a fertilizer or seed spreader, uniformly apply to floor or to old litter with at the rate of 1-2 pounds per 100 sq. ft. in bands along feeder lines. Uniformly spread at least four inches of fresh litter over all treated areas. Reintroduce birds/animals to house or barn. Reapply after each grow-out, if needed, as reinfestation warrants.

Wet Application: Remove birds/hogs prior to application. Mix 1-2 pounds of this product in 3 gallons of water and stir until completely dissolved. Apply solution at the rate of 3 gallons per 100 sq. ft. using appropriate pressure spray equipment. Saturate side walls, top plates, posts and framing. Spray solution into cracks and crevices around insulation. Do not expose birds/animals to spray. Reintroduce birds/animals to house or barn after spray has dried. Reapply after each grow-out, if needed, as reinfestation warrants and after standard facility wash down and disinfection/sanitization.

This product may also be applied directly to manure for fly control.

For Beetle (darkling, hide and lesser mealworm) and Fly (adults and larvae) control in poultry houses in which birds are raised in cages (layer or high rise 'pit type' houses):

Dry Application: Remove birds prior to application. Apply this product at the rate of 1-2 pounds per each 100 sq. ft. using appropriate equipment. Thoroughly dust side walls, top plates, posts and framing and into cracks and crevices around insulation. Reintroduce birds after dust has settled. Reapply, if needed, as reinfestation warrants and after standard facility wash down and disinfection/sanitization.

This product may also be applied directly to manure for fly control.

Wood Treatment

This product can be used alone or with any other EPA-registered product as an insecticide or fungicide for wood, wood product and wood-foam treatment. When adding Boric Acid EP to any other wood preservation products, the concentration of Boric Acid EP must range from 0.05% to 4% by weight of the finished wood product. [Impregnation procedures must rigidly adhere to the current specifications of the American Wood Protection Association (AWPA).] Processes used to apply Boric Acid EP formulations must leave no visible surface deposits on the wood, as defined by American Wood Protection Association (AWPA) Standards. "Visible surface deposits" means a surface residue or crystallization on the treated wood. Small, isolated or infrequent spots of chemical on otherwise clean wood is allowed.

Pressure treatment of wood products with Boric Acid EP provides wood with protection against termites, ascomycetes and rot (white, brown and dry). Applications to the following wood commodities must adhere to the AWPA standards identified in the following table. {Note: As the AWPA Book of Standards (BOS) is periodically updated the following table will be updated on an as needed basis to replace the "-19" with the most up-to-date BOS year.}

Wood Commodities	Application Methods	Target Pest: Minimum Target Retention (B2O3 lbs./cu.ft.)	AWPA Book of Standards Reference
Including indoor and outdoor furniture; glue laminated and mechanically fastened timber; joists, interior, building	Pressure treatment, non-pressure treatment, dip diffusion: Fully submerge final dimension items in concentrated solution (1	Beetles and non-Formosan termites: 0.17 Formosan termites: 0.28	U1-19, Section 4, Table 1

construction; flooring, flooring block; lumber/timbers interior, exterior painted; millwork, trim painted/coated; oriented strand board (OSB); purlins, uncoated/coated; studs, building construction; trusses, roof and floor; etc.	lb. Boric Acid EP in 1 gallon of water) for approximately 5 minutes then allow to dry under cover.		
Composite lumber including parallel strand lumber (PSL); laminated veneer lumber (LVL); laminated structural lumber (LSL); engineered wood siding (EWS); structural composite lumber; etc.	Non-pressure treatment: Spray wood chips with a solution of 1 lb. Boric Acid EP per gallon water before addition of resin. Boric Acid EP may be added to chips before addition of resin to meet target retention rate.	Decay fungi, carpenter ants, beetles and non-Formosan termites: 0.17 Formosan termites: 0.28	U1-19, Section 4, Table 1
Commodities including balconies, decking; cant strips; decking painted/unpainted; decks, residential joists and beams; railing components; handrail/guardrails; lattice, painted; shakes and shingles; unpainted/painted/coated fascia boards; fence pickets; fence rails; floor plates; flooring, flooring block; indoor/outdoor furniture; furring strips; glue-laminated and mechanically fastened timber; gazebo materials; joists; interior building construction materials; lumber/timbers interior, exterior painted; millwork, trim painted/coated; plywood interior, flooring/subflooring, purlins, uncoated/coated; siding (beveled or not); engineered wood siding (EWS); trusses, roof and floor; oriented strand board (OSB); studs, building construction; etc.	Pressure and non-pressure treatment	Decay fungi, carpenter ants, beetles and non-Formosan termites: 0.17 Formosan termites: 0.28	U1-19, Section 4, Table 1
Railroad ties; crossties; etc.	Pressure treatment (either pre-treatment or Creosote one-step treatment)	Decay fungi, beetles and non-Formosan termites: 0.17 Formosan termites: 0.28	U1-19, Section 3, Table 3.0

Application Methods

Pressure Treatment: Place wood in a pressure cylinder, apply vacuum, introduce Boric Acid EP solution and apply pressure. Then further vacuum cylinder to remove excess Boric Acid EP solution from the treated wood. Remove treated wood from the cylinder and place on a drip pad under cover until dry. Pressure treatment procedures must

rigidly adhere to the AWPA standards. If several species are being treated at once, choose the treating schedule for the most difficult to treat species.

Non-Pressure Treatment: Dip Diffusion: Completely immerse wood in a tank containing the Boric Acid EP solution for several minutes, then allow to dry on a drip pad under cover. In-process blending involves comingling dry Boric Acid EP or spraying a liquid solution on wood chips or veneers to treat the wood surfaces prior to chips being made into solid wood products (composite products) or veneers made into plywood.

Spray: Spray a liquid solution using a regular back-pack type garden sprayer. Initially lightly spray wood until wet then spray until no more liquid is absorbed.

Dip-diffusion and spray applications must adhere to the AWPA Book of Standards, U1-19, Section 4, Table 1.

This product may also be combined with approved water-based water repellants or coatings at ratios listed on the repellent/coating label provided the ratios are greater than 1 part water to 1/2 part Boric Acid EP.

Storage and Disposal

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

Pesticide Storage: Store in a dry place. Do not store where children or animals may gain access. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Handling:** Non-refillable container; do not reuse or refill this container. Completely empty bag into application equipment then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container.}

Notice: To the extent permitted by applicable law, neither manufacturer or seller shall be liable in respect to any injury or damages suffered by reason of the use of this product for a purpose not indicated by the label, or when used contrary to the directions or instructions hereon, nor with respect to breach of any warranty not expressly specified herein. To the extent permitted by applicable law, buyer accepts this material subject to these terms, and assumes full risk of usage and handling except when used or handled in accordance with this label.

Manufactured by:



American Borate Company
5701 Cleveland Street, Suite 350
Virginia Beach, VA 23462 U.S.A.
1.800.486.1072
Made in the U.S.A. [USA]

{Marketing Claims}

An Insecticide for the Control of Beetles (Darkling, Hide, Lesser Mealworm) and Flies
[in Hog Barns and Poultry Houses]

Kills Ants (excluding Carpenter Ants), Darkling Beetles, Palmetto Bugs, Roaches, Silverfish and Waterbugs
Pressure treatment provides wood with protection against Termites, Ascomycetes and Rot (White, Brown and Dry)

{End of Marketing Claims}

[] Denotes optional/alternative language

{ } Denotes language that does not appear on the market label