



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

73605-12

Date of Issuance:

7/20/20

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Borax EP

Name and Address of Registrant (include ZIP Code):

American Borate Company
5701 Cleveland Street, Suite 350
Virginia Beach, VA 23462 U.S.A.

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Elizabeth Fertich
Acting Product Manager 03
Invertebrate & Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Date:

7/20/20

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 73605-12.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 5/22/2019

If you have any questions, please contact Autumn Metzger at 703-305-5314, or Metzger.autumn@epa.gov

Enclosure

Borax EP

BORAX	GROUP:	8D	INSECTICIDE
--------------	---------------	-----------	--------------------

Active Ingredient:

Sodium Tetraborate Decahydrate (CAS No. 1303-96-4) 100%
 [Boric Oxide (B₂O₃) equivalent: 36.51%]

**Keep Out of Reach of Children
 CAUTION**

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

EPA Reg. No. 73605-RE

EPA Est. 73605-VA-1

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

ACCEPTED

07/20/2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 73605-12

{Back/Side Panel}

First Aid

If Inhaled:	<ul style="list-style-type: none"> Move person to fresh air If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
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.
<p>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.</p>	

{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: Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse. Avoid contact with eyes or clothing. 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 and poultry houses, 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. Thoroughly wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet; 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 a 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, Borax EP contains a Group 8D insecticide. Any insect population may contain individuals naturally resistant to Borax 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 Borax 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.

Restrictions

As a termiticide this product is not intended as a substitute for whole structure treatment. Do not use this product as the sole source of control for active, structural infestations by subterranean termites; the purpose of this application is

to kill workers or winged reproductive forms of termites which are present at the time of treatment. It is not intended to provide structural pest control. It is not a substitute for mechanical alteration, soil and foundation treatment, but merely a supplement. For active, structural infestations by subterranean termites, this product can be used to only supplement a federally registered conventional product that is registered as a sole source for termite control. This product will not eliminate termite infestations or provide protection against future infestation

For the Preventative Treatment and Protection of Wood, including wood-foam composite structural Components, against Decay Fungi and Wood Destroying Insects

Borax is a water soluble inorganic borate salt for the protection and treatment of wood, wood product and wood-foam structural components that are protected from excessive amount of liquid water and are not in direct contact with the soil except for when followed by a post treatment of oil borne preservatives under American Wood Protection Association (AWPA) Use Category System U1-19 commodity specification C-Crossties and Switch ties. For further clarification of appropriate applications refer to the AWPA Use Category System.

This product is effective against decay fungi, wood boring beetles including Powder Post (*Lyctidae*), Furniture Beetles and Old House Borers (*Anobiidae*), Longhorn Beetles (*Cerambycidae*), and termites including Power Post Beetles (*Lyctidae*), Furniture Beetles, Old House Borers (*Anobiidae*) and Longhorn Beetles (*Cerambycidae*). This treatment is not effective against wood-staining fungi and may require mixing with compatible products. Borax also controls Subterranean Termites (*Reticulitermes*, *Coptotermes*), Dampwood Termites (*Zootermopsis*) and Drywood Termites (*Kaloterms*, *Incisitermes*). 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 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.	Pressure treatment, non-pressure treatment, dip diffusion: Fully submerge final dimension items in concentrated solution (1 lb. Borax EP in 1 gallon of water) for approximately 5 minutes then allow to dry under cover.	Beetles and non-Formosan termites: 0.17 Formosan termites: 0.28	U1-19, Section 4, Table 1
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. Borax EP per gallon water before addition of resin. Borax 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	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

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.			
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 Borax EP solution and apply pressure. Then further vacuum cylinder to remove excess Borax 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 AWP 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 Borax EP solution for several minutes, then allow to dry on a drip pad under cover. In-process blending involves comingling dry Borax 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 AWP 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 Borax EP.

Borax EP is recommended for all interior and exterior components that will be protected from rain and not in direct contact with soil. Lumber treatment is permanent even after cutting and finishing, provided the wood is not exposed to moisture or in contact with the soil. To extend the performance of Borax in exterior or ground contact situations, a water repellent or fixative agent can be added to the treatment solution at the treatment plant.

Wood Composites: Borax EP may be added as a powder or solution, when treating wood composites, at any point prior to pressing. Target a retention rate of 0.4% (w/w) in the finished board. Since Borax may interfere with the curing of some adhesives it may be necessary to test treated boards for bonding integrity. Consult American Borate Company for a list of those adhesives known to be compatible with Borax EP.

Dip Diffusion: Dip freshly cut lumber in a tank containing a hot aqueous solution of Borax EP for 2-5 minutes. To improve penetration, stack and store the newly treated wood under a tarpaulin or shed roof to slow the drying

process and prevent wash-off by rainfall. Diffusion of the wood preservative into the wood interior will start immediately and require several weeks to thoroughly penetrate the lumber, depending upon specie and wood thickness. This treatment method can result in complete penetration throughout the cross-sectional area of treated lumber. Consult American Borate Company for conditions and solution strengths for large dimension timbers.

Control of *Fomes annosus* in Conifer Stands

The fungus *Fomes annosus* often infects cut conifer stumps following thinning or cutting operations and can spread from infected stumps to residual trees in the stand. Borax prevents establishment and growth of *Fomes annosus* in cut conifer tree species' stumps not already infected. Before using Borax EP for stump treatment control of *Fomes annosus* infection, contact local, state or Federal forestry or plant pathology specialists to verify the most efficient methods and materials for your situation.

Use of Borax EP for this purpose includes all conifer tree species in the stand being treated. Limit treatment to stands, or portions of stands, that are free of *Fomes annosus* infection. Apply Borax EP to the stump surface of the cut tree as soon after felling as practicable; apply immediately after cutting for most efficient use and do not delay treatment more than 2 days post felling. Sprinkle Borax EP "salt-shaker" style on the freshly cut stump surface. Complete coverage, including exposed side areas and any splinters, is necessary. Level, as opposed to sloping, stump surfaces is preferable, especially in areas of high rainfall. Apply enough Borax EP to lightly cover the stump surface. At proper application rates, 1 lb of granular Borax EP will adequately cover 50 sq ft of stump surface (e.g., 260 six-inch stumps; 158 eight-in stumps, 80 ten-inch stumps; or 60 twelve-inch stumps). Moisture in the exposed wood from freshly cut stumps, dew or rain will dissolve the Borax and leach it into the wood.

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 bags 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 [for]:



American Borate Company
5701 Cleveland Street, Suite 350
Virginia Beach, VA 23462 U.S.A. [USA]
1.800.486.1072
Product of Turkey

{Marketing Claims}

For the Preventative Treatment and Protection of Wood, including wood-foam composite structural Components, against Decay Fungi and Wood Destroying Insects

For Control of *Fomes annosus* in Conifer Stands

{End of Marketing Claims}

[] Denotes alternate/optional language

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