

69529-3

3-30-2007

1/11



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Vincent Opaskar
Technical Manager
Quality Borate Company
3690 Orange Place, Suite 495
Cleveland, OH 44122

MAR 30 2007

SUBJECT: Application for Pesticide Notification – Addition of a Mixing Chart
BoraSol Liquid
EPA Reg. No. 69529-3
Application Dated October 19 2006

Dear Mr. Opaskar:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the product above. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

2/11

Application for Pesticide - Section I

1. Company/Product Number Quality Borate Co./ 69529-3	2. EPA Product Manager Richard Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Quality Borate Co./ BoraSol Liquid	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Quality Borate Co. 3690 Orange Place, Suite 495 Cleveland, Ohio 44122 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

MAR 30 2007

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Please see the attachments for the requested action along with the mixing instructions in the appropriately revised label for BoraSol Liquid, 69529-3.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Text <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.8, 5.6 11.2 lbs		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Vincent Opaskar	Title Technical Manager	Telephone No. (Include Area Code) 216-896-1949
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Vincent Opaskar</i>	3. Title Technical Manager	
4. Typed Name Vincent Opaskar	5. Date October 19, 2006	

3/11

QUALITY **B** BORATE

C O M P A N Y

NOTIFICATION
MAR 30 2007

Document Processing Desk 7504P
Office of Pesticide Programs
U.S. Environmental Protection Agency
1200 Pennsylvania Ave, N.W.
Washington, DC 20460

October 19, 2006

Dear Sirs:

This letter is a Notification Application for Borasol Liquid (69529-3) per PR Notice 98-10.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of APR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

This letter transmits a notification for the current registered label for Borasol Liquid (69529-3). Redundant mixing instruction charts are eliminated and a new single simplified chart with more concise instructions for mixing is substituted. Instructions for use correspond to proposed new packaging sizes and new mixing instructions. A copy of the Label in its revised form is included for demonstration. This amendment falls under the Notification Procedure, 98-10 M-1 & 2.

Sincerely,

Vincent Opaskar

Vincent Opaskar
Technical Manager

4/11
NOTIFICATION

MAR 30 2007

BoraSol Liquid

Manufactured by: Quality Borate Co., 3690 Orange Place, #495
Cleveland, OH 44122
Phone: 1-866-BORATES (866-267-2837)

FOR PROTECTION AND PREVENTATIVE TREATMENT OF WOOD AGAINST WOOD INFESTING INSECTS AND FUNGI;
REMEDIAL CONTROL OF SUCH PESTS IN INFESTED WOOD, PRESSURE TREATMENT AND DIP-DIFFUSION
TREATMENTS OF WOOD.

ACTIVE INGREDIENT:

Disodium Octaborate Tetrahydrate (Na₂B₈O₁₃ • 4H₂O) 50%

OTHER INGREDIENTS:.....50%
(10.75 lbs/gallon) TOTAL 100%

NET CONTENTS: X GALLONS

EPA Reg. No. 69529-3

EPA Est. No. 68476-OH-003

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

Precautionary Statements:

Hazards to humans and domestic animals

CAUTION: Harmful if swallowed. Avoid contact with eyes. Wash thoroughly after handling. Avoid contamination of food and feed. Do not leave container where children or animals may gain access.

FIRST AID

If swallowed	<ul style="list-style-type: none"> -Call 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 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 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 treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> -Rinse skin with plenty of water for 15-20 minutes. -Take off contaminated clothing. -Call poison control center or doctor for additional treatment advice.
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 further advice.

HOT LINE NUMBER

Have the product or label with you when calling a Poison Control Center or Doctor or going for treatment. In case of emergency, for additional information call (866-267-2837).

Personal Protection Equipment

Applicators and other handlers must wear a long-sleeved shirt and long pants which cover the entire arm and leg skin surface, socks, water resistant boots, chemical resistant gloves, and chemical resistant protective eyewear – splash goggles are recommended. When applying this product in confined spaces such as crawl spaces and attics, a ventilation exhaust system is recommended. If this is impractical, the use of a NIOSH approved respirator designed for dusts/mists is recommended. Clean spills and over-spray with a clean damp cloth or use an absorbent. Dispose of spill as required by state guidelines and laws.

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with it's labeling. Do not apply to foamboard. Do not use in edible product areas of food processing plants or on counter tops and other surfaces where food is prepared. Do not use in serving areas where food is exposed. Do not contaminate feed, water or food. Do not use to treat lumber that will contact soil or be exposed to leaching by weather. Do not apply in classrooms when in use. Do not use in aircraft cabins. Do not apply to patient rooms in hospitals and nursing homes while occupied. Do not apply directly to food. In a non-federally inspected meat and poultry plant and food-processing establishment, the facility must not be in operation when this product is used.

Exposed food should be covered or removed prior to the application. Thoroughly wash all food processing surfaces before reuse. After application in bakeries, meat packing plants, food processing plants, cafeterias, and similar facilities, wash all benches, shelving equipment etc. where exposed food will be handled with an effective cleaning compound followed by a potable water rinse to remove all traces of contamination.

This product cannot be tank mixed with other pesticide products. In the home, remove or cover exposed food, food handling surfaces, and cooking utensils. Wash thoroughly after treatment and before reuse. When spraying overhead interior areas of homes, apartments buildings, and all other dwellings, cover or protect all surfaces below the area being treated with plastic sheeting or other material which can be disposed of if contamination from dripping or splashing occurs. Use of this product does not substitute for mechanical alteration, soil treatment or foundation treatment, but is merely a supplement that is used as a preventative or remedial treatment to protect treated wood only.

GENERAL INFORMATION

BoraSol Liquid is a water-soluble inorganic borate salt, Disodium Octaborate Tetrahydrate (DOT) which has termiticidal and antifungal (mildewcide) properties. Water Based BoraSol Liquid is effective for the protection and remedial treatment of wood against wood-destroying organisms, including the target pests organisms listed below. This product can be used for: 1) Remedial treatment of wood infested with target organisms; 2) Preventative treatment of wood in existing structures (before signs of infestation); 3) Pre-treatment of wood during construction; 4) Pressure treatment of lumber and 5) The dip-diffusion of lumber.

TARGET ORGANISMS

BoraSol Liquid is effective for treatment of wood (and wood-foam composite structural components) against wood-infesting insects, including the following termites: Subterranean Termites - Reticulitermes, Heterotermes, Coptotermes (Formosan) / Dampwood Termites, Zootermopsis/ Powderpost Beetles – Lyctidae, Anobiids, Bostrichidae, Cerambycidae / Carpenter Ants – Camponotus / Wood Decay Fungi

This label is for End-Use Applications Only.

WOOD

BoraSol Liquid is recommended for wood materials in accordance with the specific treatment methods described below. BoraSol Liquid is effective for interior and exterior wood (and wood-foam composite structural components) that will be protected from excessive rain and not in direct contact with soil. Types of wood include, but are not limited to, all types of lumber, logs, and plywood. This product is toxic to wood-destroying insects, but surface etching of treated wood by insects may occur.

Mixing Instructions

A 15% DOT solution is used for preventative treatment for existing structures, pre-treatment for whole house protection or remedial treatment for infested wood. The 15% DOT solution is made from Borasol Liquid using the following set of instructions.

For Mixing

1. Determine the number of gallons of 15% DOT solution to be prepared by first determining the number of square feet of wood to be treated and dividing by 200 sq ft/gal.
2. Using the table below, determine the appropriate size(s) of BoraSol Liquid container(s) to use and choose the rinse volumes to be used.
3. Empty the contents of the container(s) into an appropriately sized mixing vessel.
4. Add the chosen units of rinse water to the BoraSol Liquid container, shake well to loosen and dissolve the residual BoraSol Liquid material and add to the mixing vessel.
5. Repeat step four two more times. The total number of rinses add to the mixing vessel is three.
6. Mix the contents of the mixing vessel with an electric drill until the BoraSol Liquid is dissolved. The ending solution will be gray and no white material will be left. Upon standing the solution will become much more clear. Hot water for the rinses can be used as well.

Summary of Mixing Instructions			
Volume of 15% DOT Solution	1 gal	2 gal	4 gal
BoraSol Liquid contents	2.8 lbs, 0.26 gal, 33 fl.oz.	5.6 lbs, 0.52 gal, 66 fl.oz.	11.2 lbs, 1.04 gal, 132 fl.oz.
Volume of Each of 3 Rinses	0.253 gal OR	0.51 gal OR	1.02 gal OR
	32.5 fl oz OR	65 fl oz OR	130 fl oz OR
	960 ml, 0.9 l OR	1920ml, 1.8 l OR	3840ml, 3.6 l OR
	3 3/8" of water in the BoraSol container	6 3/4" of water in the BoraSol container	4 1/4" of water in the BoraSol container

I. PREVENTATIVE TREATMENT FOR AN EXISTING STRUCTURE

Spray applications of BoraSol Liquid may be made for existing structures. A 30% aqueous solution of BoraSol Liquid (15% Disodium Octaborate Tetrahydrate) (by weight) is used for this type of treatment. (See mixing instructions above.) Apply at the rate of 1 gal of 15% DOT solution for each 200 sq.ft. of surface treated. For adequate penetration, treatment should be conducted a second time after surface has dried.

Treatment should include all wood surfaces in crawl spaces and basements, to include all sills, plates, floor joists, piers, girders and sub floors as well as wood exposed to vertical access from the soil. Avoid spraying electrical components. Be sure electricity is turned off until solution is completely dry. Protect treated wood from excessive rain. Use of this product does not substitute for mechanical alteration, soil or foundation treatment, but is merely a supplement that is used as a preventative treatment to protect treated wood only

II. PRE-TREATMENT FOR WHOLE HOUSE PROTECTION

Spray applications of BoraSol Liquid may also be made to wood during new construction. A 30% aqueous solution of BoraSol Liquid (15% Disodium Octaborate Tetrahydrate) (by weight) is used for this type of treatment. See Mixing Instructions above.

A. Buildings on Crawl Spaces and Basements: Apply two (2) coats of the 15% DOT solution to point of wetness in a 24-inch wide uninterrupted band to all wood surfaces in crawl spaces and basements, to include all sills, plates, floor joists, piers, girders and sub floors as well as wood exposed to vertical access from the soil. Treat any wood adjacent to plumbing, electrical conduit and ducts where they penetrate sub floors or plates, and all wood next to porches, garages, and fireplaces in order to provide a two (2) foot wide barrier of 15% BoraSol Liquid treatment against termite penetration.

Wait at least 20 minutes between applications. If accessible, treat the exterior of sill areas around the entire perimeter of the structure with a 24-inch wide band of 15% DOT solution beginning with the sill area and extending upwards onto the sheathing material.

On multiple story structures, treat only the first story above the masonry foundation level. Coated or painted wood may be treated by pressure injecting 15% DOT into holes drilled into the wood at eight (8) to ten (10) inch intervals. Inject at 40 psi for four (4) to six (6) seconds per hole.

B. Buildings on Slabs: Apply two (2) coats of 15% DOT solution to all base plates and the bottom 24 inches of all studs on all exterior and interior walls. Treat all wood in plumbing walls and apply to any wood in bath traps as well as wood adjacent to plumbing, electrical conduit and duct penetrations in order to provide a minimum 24-inch wide barrier of treatment between the soil and the balance of the structure.

III. REMEDIAL TREATMENT FOR INFESTED WOOD IN EXISTING STRUCTURES

A 30% aqueous solution of BoraSol Liquid (by weight) (15% Disodium Octaborate Tetrahydrate) is used for treatment. (See mixing instructions above.)

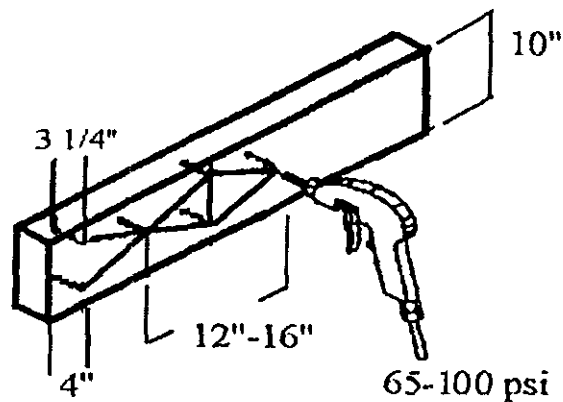
Infested Wood is treated by spraying, injecting, or brushing a 15% aqueous solution of DOT until the surface is thoroughly wet (5 gallons per 1000 square feet or 500 linear feet of 2" x 4" lumber). For adequate penetration, treatment should be conducted a second time after surface has dried. Treatment should include the crawl space, slab, basement, attic and all void construction spaces. Application can also be made by drilling and then injecting the solution under pressure into sound wood or until run-off is observed from entry/exit holes of infested wood. This product should be applied only to treat bare wood, plywood, and particleboard where an intact water repellent such as paint, stain, or a sealer is not present. Be sure to check the wood for structural integrity as this product does not enhance or provide structural integrity to treated wood. Do not use this product on wood in contact with the soil. Remedial treatment should result in a retention of 0.25 lb/ft³ (4.0 kg/m³).

For treating infested wood thicker than one inch, you must inject the 15% DOT into the wood in addition to spraying.

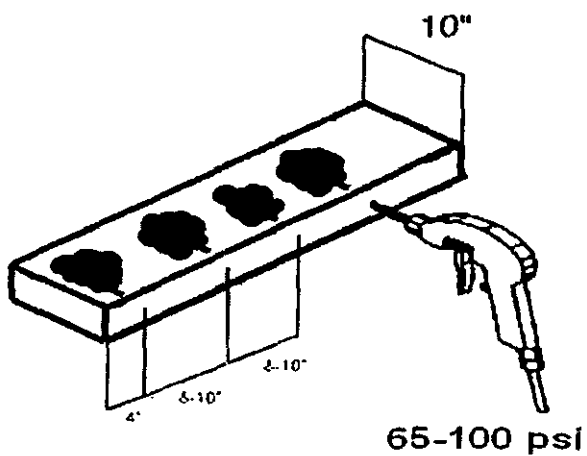
- Injection holes (1/8 inch in diameter) should be drilled in the area of suspected infestation. The holes should be drilled in a diamond pattern with the long axis along the grain and the holes spaced every 12 to 16 inches. Holes should be spaced 4 to 6 inches across the grain (see figure 1). When possible the wood should be treated one diamond pattern beyond the immediate area of visible infestation.
- Drill the holes through the widest dimension available. Do not drill completely through the beam, leave about 3/4 inch undrilled (See figure 1). If the widest surface is not accessible, holes can be drilled in the narrower surface. If the diamond pattern cannot be used. Drill holes 8-10 inches apart. All holes should no deeper than the injection tip. A longer injection tip should not be used (See Fig. 2).
- Press and hold the injection tip firmly into each hole and inject solution until runoff is observed from other holes, galleries, etc. When injecting solid wood maintain the injection pressure for 15 to 60 seconds at each hole. Longer times give better penetration.
- Release the trigger, wait briefly, and withdraw the injection tip. Excess solution can be absorbed with paper towels and collected for disposal.
- 15% DOT solutions are compatible with stainless steel, brass and all plastic components of spray equipment.
- Equipment should be rinsed with clear water to flush remaining BoraSol containing liquid out of equipment. The rinses can be saved and treated as clean water to make up future 15% BoraSol Liquid solutions or disposed in accordance with local regulations.

Example: Treat an infestation in a structural beam with nominal 4x10 inch dimensions.

- Each hole is drilled approximately 3.25" deep in the diamond pattern shown.
- Solution is injected under pressure for 15 seconds in each hole.
- If a gallery is directly penetrated, solution should be injected until runoff is detected from other holes. Wood surrounding the gallery should also be pressure injected. Treat "one diamond" length beyond the suspected area of infestation when possible.



Drill and pressure injection of a 4" x 10" structural beam



Alternative pressure treatment of a 4" x 10" structural beam

- A. **Basements and crawl spaces** may be treated by applying 15% DOT solution to the point of wetness to all infested and susceptible wood surfaces including sill plates, piers, girders, sub-floors, floor joists and any wood exposed to vertical access from the soil. A second coat of BoraSol Liquid should be applied for adequate protection. Wait at least 20 minutes between applications. Apply at a rate of approximately one (1) gallon of 15% DOT solution per 200 square feet of floor area.

- B. **Buildings on slabs** may be treated by applying a 15% DOT into wall voids by locating each stud and drilling a small hole through the wall covering to gain access to the infested area. Drill holes adjacent to the side of each stud every 18-24 inches along its length and inject at least 1/3 fluid ounce of 15% DOT per hole. Drill at least one hole per stud bay near the floor in order to treat the base plate in each void. Treat entire wall areas as opposed to single stud bays in order to include the infested area completely within the treatment zone. A second coat of BoraSol Liquid is required to assure adequate protection.

C. **Wood flooring** can be treated by spray, brush or roller application. It will be necessary to remove any existing finish by complete coarse sanding or stripping prior to application. Apply a 15% DOT solution at a rate of one (1) gallon of solution per 200 square feet of floor surface. For adequate protection, two (2) coats may be required, waiting at least one (1) hour between applications. Allow floor to completely dry (typically 48 to 72 hours). Moisture content must be 10% or less before applying a final finish. 15% DOT applications may raise the grain of the wood and an additional light sanding may be necessary before applying a new finish. Although BoraSol Liquid is compatible with most floor coatings, always test a small section of treated floor with the new finish and check for appropriate adhesion prior to coating the entire floor. NOTE: If residue is evident after 72 hours of drying time, wash affected area with clean water and a mop, cloth, or sponge, rinsing frequently. Allow surface to dry prior to final light sanding and application of finish coat.

End cut treatment

Certain pressure treated lumber should be treated when cut at a construction site because typical wood preservatives do not penetrate some wood species effectively. Spray, brush or dip the end-cuts over a plastic drop cloth to collect any runoff. Spray or brush generously until the wood will accept no more solution. Alternatively, dip each end-cut for about 5 minutes.

Estimating amounts for application

Calculating the amount of BoraSol Liquid to be used for a particular treatment is important. One unit of 0.26 gallons of BoraSol Liquid, diluted to 1 gallon of 15% DOT, will be needed to treat 200 sq. ft. of wood surface area. Always avoid storing extra, leftover solution. There are some predetermined factors which you can use as multipliers for given situations to calculate the square footage of wood to be treated. For example, if you had to spray a piece of 6" x 6" wood that was 10 feet long, one side of the piece of wood will be 5 sq. ft. of wood surface area (10 ft x 0.5 ft. = 5 sq.ft.). If you spray all four sides once, the total square footage would be 20 ft.² requiring 0.1 gallons of 15% DOT solution.

When calculating square footage of wood surface area in a crawl space or basement, you have to consider all the exposed wood surfaces. The calculations are easily done. First, determine the square footage of the crawl area, by multiplying the length by the width, i.e., a 20 ft. x 40 ft. crawl space is 800 sq. ft. Multiply this by 2.5 and the result is an approximation of the total square footage of wood surface area for all the wood surfaces in the crawl space. Therefore, a 20 ft. x 40 ft. crawl area would be 2000 sq. ft., needing 10 gallons of 15% DOT solution for one application. (27.6 lbs of BoraSol Liquid will be required.)

In estimating the amount for a preventative treatment, there are many sections to consider: attics, interior walls, exterior walls and flooring. The guideline to use here is to obtain the square footage for the living area of the structure from the builder and multiply by 9. If a crawl space or basement is involved, then use the calculations above and add that number to the amounts calculated here. For example, the structure to be treated will be 2000 sq. ft. and have a 20 ft. x 40 ft. crawl space. Wood surface area is 2000 multiplied by 9, equaling 18000 sq. ft. Add the 2000 sq. ft. for the crawl space to get 20,000 sq. ft. of wood surface to be treated. This equates to 100 gallons of 15% DOT solution. (280 lbs of BoraSol Liquid will be required - 26 gal. of BoraSol Liquid).

PRESSURE TREATMENT

Pressure treatment of wood should result in a retention of 0.25 lb/ft³ (4.0 kg/m³) DOT (equiv.) in the assay zone specified in AWWPA standard C-2. The concentration of the solution must be adjusted to give the correct retention for wood species and size being treated; in general, solutions are in the range of 1-2% DOT (equiv.) (0.083-0.166 lb/gal) wt/vol. Standards C-1 and C-2 of the American Wood Preservers' Association should be consulted regarding treatment times, pressures and temperatures necessary for various species of wood.

Board Feet	500	1000	2000	3000	5000	10,000
Wood (cubic feet)	41.7	83.4	166.8	250.0	416.7	833.3
Water (gallons)	62.7	125.4	250.8	376.2	627	1,254
Water (lbs)	520	1,040	2,080	3,122	5,204	10,408
BoraSol Liquid (gal.)	2.0	3.9	7.8	11.7	19.5	39
BoraSol Liquid (lbs)	21	42	84	126	210	420
Equiv. DOT (lbs)	10.5	21.0	42.0	63.0	105.0	210.0

Clean wood should be cut to dimension, dried to less than 25% moisture (as oven dry weight) and stickered before treatment. If several species are being treated at the same time, the treatment schedule should be chosen for the most difficult species to treat. If both sapwood and heartwood are included, use the schedule for heartwood to ensure adequate loadings.

DIP-DIFFUSION TREATMENT

PREPARATION OF SOLUTIONS: To prepare solutions, described below, water should be added to the tank to about 80% of the volume of solution required. The temperature is then raised to the desired level and the calculated amount of BoraSol Liquid is gradually added with good agitation. The remaining water is then added and the solution agitated for an additional 10 minutes to insure that the product has dissolved. The temperature of the solution should be maintained during treatment. Upon cooling some DOT may crystallize out of the solution, but will re-dissolve when the solution is heated for the next treatment session. In very cold weather, some heating or insulation should be provided to prevent solidification on the sides of the tank. The tank should be covered when not in use to prevent contamination and evaporation of water.

termite infestations, get a professional inspection.

11/11

Conditions and Solution Strengths for the Dip-Diffusion Method

Lumber Thickness	Pounds of BoraSol Liquid Per Gallon of Water	Gallons BoraSol Liquid	Pounds of DOT (equiv.)	DOT (equiv.) Solution Conc.	Solution Temp.	Time of Diffusion
Up to 1 inch (2.5 cm)	4.0	0.42	2.0	16.2%	105°F (40°C)	2 to 4 weeks
1 to 1.75 in. (2.5 to 4.0 cm)	6.0	0.63	3.0	20.1%	120°F (50°C)	4 to 6 weeks
1.75 to 2.5 in. (4.0 to 6.5 cm)	12.0	1.26	6.0	29.4%	130°F (55°C)	4 to 6 weeks
2.5 to 3 in.* (6.5 to 7.5 cm)	15.0	1.58	7.5	32.1%	135°F (57°C)	6 to 8 weeks

- Lumber over 3 inches (7.5 cm) in thickness or over 5 inches (12.5 cm) in width should be dipped twice 24 to 72 hours apart.

DIP-DIFFUSION METHOD OF APPLICATION: Dip freshly cut lumber in a tank containing a hot aqueous solution of diluted BoraSol Liquid for 2 to 5 minutes (see dilution table below). After dipping, the newly treated wood should be stacked and stored under a tarpaulin or shed roof to slow the drying process and prevent wash-off by rainfall, thus improving penetration and avoiding losses. Diffusion of the wood preservative into the interior of the wood will start immediately and will require several weeks to thoroughly penetrate the lumber, depending on species and thickness of wood. The dip-diffusion of lumber should result in a retention of 0.25lbs/ft³ (4.0 kg/m³) DOT (equiv.)

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water 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

STORAGE AND DISPOSAL

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

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 DISPOSAL: Triple rinse containers and combine rinse waters into the application equipment. Dispose of empty containers in a sanitary landfill or by incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

NOTICE

Neither manufacturer nor seller shall be liable in respect to any injury or damage 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. Buyer accepts this material subject to these terms, and assumes all risk of usage and handling except when used or handled in accordance with this label. For active termite infestations, get a professional inspection.