07/08

BORATHOR MAX PT

Termiticide, insecticide and fungicide for use in the prevention and control of subterranean termites (including Formosan), drywood termites, Carpenter ants, listed wood infesting beetles, fungi (rot), algae and listed general household pests.

For use in and around homes, apartments, garages, museums, public and private Institutions, schools, hotels, hospitals, kennels, stables, farm buildings, trucks, trailers, warehouses and non-food areas of supermarkets, restaurants and food processing plants.

Active Ingredient:	**By Wt.**
Disodium Octaborate Tetrahydrate	40%
Other Ingredients:	60%
TOTAL:	100.0%

EPA Reg. No. 81824-11 EPA Est.81824-NC-001

STOP – Read the label before use

KEEP OUT OF REACH OF CHILDREN

CAUTION

(PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta gue la etiqueta le haya sido explicada ampliamente.)

(TO THE USER: If you cannot read and understand English, do not use this product until the label has been fully explained to you.)

For more information call 1-866-FOR-THOR (367-8467) or www.for-thor.com.

NET CONTENTS: As marked on container

Manufactured by:

ENSYSTEX II, Inc.

P. O. Box 87329 Fayetteville, NC 28303

FIRST AID	
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
If on skin or clothing	• Take off contaminated clothing. • Immediately rinse skin with plenty of water for 15-20 minutes.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15 to 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.
Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1–800–369-4352 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled or absorbed through skin. Avoid breathing vapors or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Thoroughly wash with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse. Avoid contamination of food or feed. Do not leave container where children or animals may gain access.

Personal Protective Equipment (PPE): The following materials are chemically resistant to this product when they are ≥ 14 mils thick: barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) and viton. Consult selection category C of the EPA Chemical Resistance Category Chart for an explanation of the level of resistance of each of these types of personal protective material to BORATHOR MAX PT.

Applicators, mixers and other handlers using BORATHOR MAX PT must wear long-sleeved shirt, long pants, socks, shoes, chemical resistant gloves and protective eyewear. When applying BORATHOR MAX PT in confined spaces, provide ventilation or an exhaust system or use a NIOSH-approved dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) with a pre-filter approved for pesticides (MSHA/NIOSH approval prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G) or a NIOSH-approved respirator with any N, R, P or HE pre-filter.

User Safety Requirements: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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

This pesticide is toxic to fish and wildlife. Do not apply directly to water, to intertidal areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Physical and Chemical Hazards

Do not apply solutions of this product around electrical equipment, such as electrical conduits, motor housings, junction boxes, switch boxes, etc. due to the possibility of shock hazard.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and understand the entire label before using. Use only according to label directions.

BORATHOR MAX PT is not intended for application to soil. It is not a soil termiticide. Do not use to directly treat soil In areas where a soil treatment barrier termiticide treatment is required, BORATHOR MAX PT may be applied as a supplemental pretreatment to protect wood from subterranean termites that may penetrate chemical gaps occurring in termiticide-treated soil. When active infestations exist, get a professional inspection.

Prior to using this product, you should consult with your State regulatory agency to see if they require additional qualifications for the person applying this product.

Use Restrictions

Do not use in edible product areas of food processing plants or on countertops 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 enter or allow others to enter or occupy treated areas until spray has been absorbed into the wood. Treated areas must not be occupied during application.

Phytotoxicity

This product may be phytotoxic to plants. When treating around the exterior of structures cover and protect shrubbery and plants that may be potentially exposed to this product, when applied in accordance with the label directions.

GENERAL INFORMATION

BORATHOR MAX PT is a termiticide / insecticide / fungicide that contains the active ingredient disodium octaborate tetrahydrate (D. O. T.). BORATHOR MAX PT provides long-lasting protection against the listed pests when the material treated is not exposed to moving water or in contact with the ground. D. O. T. is an inorganic salt with insecticidal and fungicidal properties. D. O. T. is also soluble in water. BORATHOR MAX PT can be used against the listed wood infesting and destroying organisms either preventatively (to prevent future infestations of organisms) or remedially (to control existing infestations of organisms). BORATHOR MAX PT is mixed with water and applied in solution to the bare surface of wood and other cellulose-containing components to protect them against wood infesting and destroying organism attack.

Wood Infesting and Destroying Organism Control

BORATHOR MAX PT can be applied to wood and cellulose-containing structural components to protect them against wood infesting and destroying organisms (insects and fungi). BORATHOR MAX PT can be applied as a preventative (before signs of infestation are found) or remedial (after signs of infestation are found) treatment to existing structures or as a preventative treatment to structures under construction (pre-treatment).

BORATHOR MAX PT begins to penetrate into the component immediately after it is applied. The depth to which the D. O. T. in BORATHOR MAX PT penetrates into the component after application depends upon certain characteristics of the component to which it has been applied. The factors that can affect the maximum depth of penetration of BORATHOR MAX PT include the moisture content of the component (the greater the content the deeper the penetration) and the wood species in the case of wooden components (with deeper penetration occurring the more open the cell structure of the wood). Once the active ingredient has been applied and has penetrated to its maximum depth, it will not move out of the component as long as it is kept protected from moving water. Because the active ingredient is inorganic, it also will not decompose as long as it stays in place within and on the exterior of the component.

D. O. T. is a stomach poison. This means insects must consume it to be affected (and killed) by it. For this reason superficial damage (such as surface etching) by attacking insects may occur to a piece of wood before the attacking insects are stopped by their consumption of BORATHOR MAX PT.

Wood Destroying Insects Controlled

Infestations of the following insects can be prevented or remediated with BORATHOR MAX PT:

Subterranean Termites (*Reticulitermes, Heterotermes, Coptotermes* [Formosan])

Drywood Termites (*Kalotermes, Incisitermes*)

Dampwood Termites (*Zootermopsis, Neotermes*)

Powderpost Beetles (*Lyctidae*)

False Powderpost Beetles (*Bostrichidae*)

Deathwatch and Furniture Beetles (*Anobiidae*)

Old House Borers, Longhorn Beetles (*Cerambycidae, Hylotrupes*)

Carpenter Ants (*Camponotus*)

Bark and Timber Beetles (*Scolytidae*)

Wood Decay Fungi Controlled

Infestations of listed wood decay fungi and White Rot and Brown Rot (including Dry Rot) can be prevented or remediated with BORATHOR MAX PT. Fungi is killed on contact after application.

Antrodia sinuosa	Phialophora lignicola
Antrodia xantha	Phialophora lueto-olivacea
Aureobasidium pullulans	Phoma herbarum
Basidomycete	Phoma lanosa
Bisporia pusillas 132	Polyporus abietinus
Ceratocystis pluriannulata	Polyporus rugulosus
Ceratocystis picea	Polyporus sulphureus
Chaetomium globosum keinze	Polyporus tomentosus
Coniophora cerebella	Polyporus versicolor
Coniophora olivacea	Polystictus versicolor
Coniophora puteana	Parler carbonica
Fomes lividus	Poria incrassata
Fomes officinalis	Poria monticola 698
Fomes pini	Poria nigrescens 4856
Formes pinicola	Poria placenta
Gloeophyllum abietinum	Poria subacida
Gloephyllum sepiarium	Poria viallantii
Gloephyllum trabeum	Poria vaporaria
Hericium abietis	Poria xantha
Heterobesidian annosum	Rhinocladiella spp.
Lentinus lepideus	Scerlophoma pityophila
Lenzites trabea	Serpula lacrymans
Merulius lacrymans	Sistotreme brinkmenii
Ophiostoma coeruleum	Stereum abietirum
Paecilomyces varioti	Torulla spp.
Phialophora spp.	Trametes lilacino-gliva
Phialophora fastigiata	Trametes serialis
Phialophora haffmannii	Trichlocladium asperum
Phialophora heteromorpha	

Other Non-Wood Destroying Organisms Controlled

BORATHOR MAX PT also controls algae and listed general household pests that come in contact with the treated surfaces.

Using BORATHOR MAX PT against Wood Infesting and Destroying Organisms

BORATHOR MAX PT can be applied to and used to protect wood and cellulose-containing components, including lumber, logs, plywood and cellulose insulation, situated within the interior and/or on the exterior of structures. In order to maintain the protection created by the application of BORATHOR MAX PT, the treated surfaces must be protected from moving water and must not be in direct contact with the soil. Wood exposed to moving moisture such as liquid water dripping onto or moving across its surface such as rain or plumbing leaks will not be adequately protected by BORATHOR MAX PT. Applications of BORATHOR MAX PT create only limited and temporary protection of wood in contact with the ground against subterranean termites. Applications of BORATHOR MAX PT are not a substitute for the application of products registered for protection of wood in contact with the ground against subterranean termites. If possible, break any contact between wooden structural components and the ground.

Multiple applications of BORATHOR MAX PT to a surface can increase the level of protection provided by BORATHOR MAX PT to that component by increasing the loading of D. O. T. in the wood and its maximum depth of penetration into the wood. In addition to treatment with BORATHOR MAX PT, effective prevention or remediation of insect and fungi infestations may also require mechanical alteration of the structure to stop moisture accumulation on or within the confines of the structure.

General Household Pest Control

BORATHOR MAX PT can be applied to the surfaces of wooden components of structures under construction and to the surfaces of wooden components inside wall void areas of existing structures to help prevent or remediate infestations of general household pests such as cockroaches, ants (except Fire ants, harvester ants, Pharaoh ants), silverfish, earwigs, boxelder bugs, millipedes and crickets that come in direct contact with these treated surfaces.

DILUTION AND MIXING DIRECTIONS

BORATHOR MAX PT must be diluted with water before use to form a ready to use treatment solution. Do not apply BORATHOR MAX PT undiluted. Dilute BORATHOR MAX PT with water as instructed, mixing the BORATHOR MAX PT and water vigorously and thoroughly until a uniform, clear solution is obtained. Using warm or hot water and a mixer (an impeller type mixer powered by an electric drill is suitable) can speed the dilution process and can help assure a uniform solution. If the tank of the application equipment to be used to apply BORATHOR MAX PT does not contain a powered recirculation system, mix BORATHOR MAX PT in a separate mixing tank and then transfer to the application tank after mixing. Mixing BORATHOR MAX PT directly in the application tank can clog hoses and nozzles. Use diluted BORATHOR MAX PT solution within 24 hours after mixing. Remove unused solution from the application tank after all applications for that day using that tank are completed. After unused solution is removed, flush application tanks, lines and nozzles with clean water.

The amount of water with which BORATHOR MAX PT is diluted before application to form a treatment solution can depend on several factors including the target pest(s), method of application, whether the treatment is preventative or remedial and the thickness and nature of the component(s) being treated. The proportional amounts of BORATHOR MAX PT and water combined to form a treatment solution is referred to as the "Dilution Ratio" and is expressed by a pair of numbers (e.g. 2:1). These two numbers denote, in order, the liquid volume proportions (gallons, quarts, pints, ounces) of water and BORATHOR MAX PT that should be mixed to form any amount of dilute application solution. The first number in the ratio is the "parts" water to add to the mixing tank. The second number in the ratio is the "parts" BORATHOR MAX PT to add to the mixing tank. The actual amount of each of the "parts" is chosen by the mixer / applicator based on the total amount of treatment solution needed to perform the treatment. For example, a Dilution Ratio of 5:1 means that 5 parts of water is mixed with 1 part of BORATHOR MAX PT. If the parts are gallons, then the final treatment solution would consist of a mixture of 5 gallons of water and 1 gallon of BORATHOR MAX PT. If the parts are quarts, then the final treatment solution would consist of a mixture of 5 quarts of water and 1 quart of BORATHOR MAX PT.

To determine the Dilution Ratio for an application, determine the target pest and then consult the *Target Pest Specific Dilution Ratio Tables.* Refer to the *Component Specific Application Rate Tables* for directions on applying amounts of BORATHOR MAX PT to individual wooden components or groups of similarly sized wooden components for which the number of components or total surface area of the components can be accurately pre-determined.

Target Pest Specific Dilution Ratio Tables

Find the table below for the target pest. Select a column within the chosen target pest table based on whether the application will be remedial or preventative. Then find the row in the table representing the application method you intend to use. The value on this row is the Dilution Ratio for the application. Combine and mix parts of water and BORATHOR MAX PT according to this Dilution Ratio. Alternately, BORATHOR MAX PT can be mixed with water at a Dilution Ratio of 1 part water : 1 part BORATHOR MAX PT for application against any target pest. If you are treating the same component(s) against multiple target pests, use the most concentrated dilution recommended.

Subterranean Termite
Water : BORATHOR MAX PT Dilution Ratios

Application Method	Remedial	Preventative
Spray	1:1	1:1
Brush	1:1	1:1
Roller	1:1	1:1
Injection	1:1	1:1
Foaming	2:1	2:1
Misting	2:1	2:1

Drywood Termite
Water : BORATHOR MAX PT Dilution Ratios

Application Method	Remedial	Preventative
Spray	1:1 or 2:1	5:1
Brush	1:1 or 2:1	5:1
Roller	1:1 or 2:1	5:1
Injection	1:1 or 2:1	5:1
Foaming	1:1 or 2:1	5:1
Misting	1:1 or 2:1	5:1

Target Pest Specific Dilution Ratio Tables (contd.)

Beetle and Borer
Water : BORATHOR MAX PT Dilution Ratios

Application Method	Remedial	Preventative Wood < 4" Thick	Preventative Wood > 4" Thick	Hardwood Floor
Spray	1:1	5:1	1:1	2:1
Brush	1:1	5:1	1:1	2:1
Roller	1:1	5:1	1:1	2:1
Injection	1:1	5:1	1:1	2:1
Foaming	1:1	5:1	1:1	N/A
Misting	1:1	5:1	1:1	N/A

Carpenter Ant
Water : BORATHOR MAX PT Dilution Ratios

Application Method	Remedial	Preventative
Spray	1:1	5:1
Brush	1:1	5:1
Roller	1:1	5:1
Injection	1:1	5:1
Foaming	2:1	5:1
Misting	2:1	5:1

Fungi (Rot) and Algae
Water : BORATHOR MAX PT Dilution Ratios

Application Method	Remedial < 4" Thick	Remedial > 4" Thick	Preventative
Spray	3:1	1:1	5:1
Brush	3:1	1:1	5:1
Roller	3:1	1:1	5:1
Injection	3:1	1:1	5:1
Foaming	3:1	1:1	5:1
Misting	3:1	1:1	5:1

Component Specific Application Rate Tables

These tables are used to treat individual wooden components or groups of wooden components for which the surface area of the components can be accurately pre-determined. The application rates in these tables are based on an application rate of one gallon of BORATHOR MAX PT dilution to the surface of 400 board feet of lumber. One board foot equals a volume of wood equal to 1 inch x 1 inch x 12 inches. Dilute BORATHOR MAX PT with water as directed.

Dimensional Lumber Application Rates
Choose Dilution Ratio from the *Target Pest Specific Dilution Ratio Tables* as directed in the instructions for those tables.

Lumber Size (inches)	1 gallon of diluted BORATHOR MAX PT will treat up to this number of linear feet of dimensional lumber:	Minimum number of gallons of diluted BORATHOR MAX PT to treat 1000 linear Feet
1 x 4	1,200	0.8
1 x 12	400	2.6
2 x 4	600	1.6
2 x 6	400	2.6
2 x 8	308	3.2
2 x 10	240	4.2
2 x 12	200	5.0
4 x 4	300	3.4
4 x 6	200	5.0
4 x 8	150	6.8
4 x 12	100	10.0
6 x 6	133	7.6
6 x 8	100	10.0
6 x 10	80	12.6
6 x 12	68	15.0

Paneling, Siding and Plywood Application Rates
Use a 1 W : 1 BMPT Dilution Ratio for all remedial treatments and a 2 W : 1 BMPT or 1 W : 1 BMPT Dilution Ratio for preventative treatments

Thickness (inches)	1 Gallon of BORATHOR MAX PT solution will treat up to this number of square feet of paneling, siding or plywood:	Minimum number of gallons BORATHOR MAX PT solution needed to treat 1000 square Feet
1/4	1,600	0.6
3/8	1,067	1.0
1/2	800	1.2
3/4	533	1.8
1	400	2.6

Round Log Application Rates
Use a 1 W : 1 BMPT Dilution Ratio for all treatments

Diameter (inches)	1 Gallon of BORATHOR MAX PT solution will treat up to this number of linear feet of round logs:	Minimum number of gallons of BORATHOR MAX PT solution to treat 1000 linear Feet
6	167	6.0
8	96	10.4
10	61	16.4
12	43	23.4

Dilution Ratio Percentage Table

Parts Water	Parts BORATHOR MAX PT	% Disodium Octaborate Tetrahydrate
1	1	23
2	1	16
3	1	13
5	1	9

Foam Mixing Directions

BORATHOR MAX PT can be applied as a foam by mixing 3 to 8 fluid ounces of foaming agent with each gallon of BORATHOR MAX PT solution. Consult the *Target Pest Specific Dilution Ratio Tables* for the correct Dilution Ratio based on the target pest. Expand each gallon of BORATHOR MAX PT solutions to 20 to 30 gallons of foam before application. Foam will take approximately one hour to return to liquid form after application.

Foam Application Directions

Apply foamed BORATHOR MAX PT to void spaces at a 1:20 to 1:30 foam ratio (one (1) gallon of mixed solution expanded with foaming agent to produce 20 to 30 gallons of foam). Apply enough foam to fill the void and contact all wood surfaces in the void space.

APPLICATION DIRECTIONS

BORATHOR MAX PT can be applied to, and is effective at preventing or remediating wood infesting and destroying organism attack against wood, lumber, logs, plywood, particle board, oriented strand board (OSB), drywall, cellulosic insulation and wood composite structural components. Do not apply BORATHOR MAX PT to component surfaces that are covered by a decorative or protective coating such as paint, stain or sealer. Any decorative or protective coating on a surface must be removed before applying BORATHOR MAX PT to that surface.

BORATHOR MAX PT can be applied to a component surface by brushing, rolling or spraying. Subsurface application can be made by injection into infested and sound wood (40 psi recommended). Applications can be made into void areas by foaming or misting. Clean any BORATHOR MAX PT residue from tools using soap and water.

BORATHOR MAX PT dilutions are applied to the bare surface of all components to the point of wetness, unless otherwise directed. This rate of treatment (to the point of wetness) results in the approximate application of 1 gallon of BORATHOR MAX PT diluted solution to every 400 square feet of component surface. Each application consists of at least one application of BORATHOR MAX PT solution. Apply a second application to components to which, because of their location or orientation in the structure, treatment can be applied to only one or two sides of the component. Allow the first application to dry by waiting at least twenty minutes between applications.

BORATHOR MAX PT can be applied to surfaces of wood in new construction or to wood surfaces inside wall void areas of existing structures to control cockroaches, ants (except Fire ants, harvester ants, Pharaoh ants), silverfish, earwigs, boxelder bugs, millipedes and crickets that come in direct contact with these treated areas.

The addition of a marker dye or pigment to dilutions of BORATHOR MAX PT can facilitate marking and tracking of the progress of the application. Mix and use dye or pigment for this purpose according to the dye/pigment manufacturer's directions for use.

When spraying overhead interior finished areas of structures, cover or protect all surfaces below the area being sprayed with disposable plastic sheeting or other suitable material that can be disposed of if dripping of the solution onto the sheeting or material occurs. Do not apply in food serving areas while food is exposed. Prior to application of BORATHOR MAX PT in food serving areas, protect all food contact and food preparation surfaces by covering them with disposable plastic sheeting or other suitable disposable barrier material. After completion of the treatment, clean all food contact and food preparation surfaces by washing them thoroughly with a water and detergent mix. Follow this cleaning with a potable water rinse. Remove all pets from the treatment area, turn off aquarium pumps and cover the aquarium with a disposable plastic sheet.

For the purposes of applications applied to structures under construction, structural components are defined as the "skeletal" parts of the structure made of wood and other cellulose-containing materials that help give the structure its basic shape and rigidity. Structural components include parts of the structure constructed of wood and other cellulose-containing substances such as sills, plates, joists, girders, sub-flooring, wall studs, trusses, rafters, decking and exterior sheathing. Differing degrees of completeness of protection against the wood infesting and destroying organisms controlled by BORATHOR MAX PT can be imparted to structures under construction based on the extent to which the structural components of the structure are treated with BORATHOR MAX PT with the highest level of protection created with an application of BORATHOR MAX PT to the exposed surfaces of all accessible structural components.

BORATHOR MAX PT can be used to supplement the use of other subterranean termite control technologies such as soil-applied termiticides or termite baits.

The grain of some species of wood can be raised when they are sprayed with water. Prior to treating entire large areas with a BORATHOR MAX PT solution, treat a small area and let the solution dry to preview the final appearance of the treated surface. Some sanding or refinishing may be required to return the treated wood to its pre-application appearance.

Mixing of BORATHOR MAX PT as a Foam

BORATHOR MAX PT can be applied as a foam. Convert a solution of BORATHOR MAX PT to foam by mixing 3 to 8 fluid ounces of foaming agent with each gallon of BORATHOR MAX PT solution and converting each gallon of this solution to 20 to 30 gallons of foam (1:20 to 1:30 foam ratio) according to the foam machine manufacturer's directions. Convert solution to foam immediately before application as the foam will revert to liquid form within approximately one hour after conversion.

Application of BORATHOR MAX PT as a Foam

Apply enough foamed BORATHOR MAX PT to void spaces to fill the void and contact all wood surfaces in the void space. Refer to the *Target Pest Specific Dilution Ratio Tables* for the correct Dilution Ratio for each target pest.

Protection of Exposed Treated Component Surfaces

Long term protection of treated components exposed to moving water (such as exterior components) is possible only if their treated surfaces are protected. Surfaces of treated exterior components should be topcoated with a water resistant finish no sooner than after the treatment has completely dried (normally 48 hours after treatment) and no later than 6 weeks after the date of treatment. Before applying the finish to the entire treated surface, first coat a small section of the surface to be topcoated with the finish in order to confirm the acceptability of the appearance of the finish after application. If the treated surface to be topcoated remains tacky after 48 hours, wash and scrub the surface to remove any remaining treatment residue and allow it to dry before applying the finish.

Remedial and Preventative Treatment to Existing Structures

Applications of BORATHOR MAX PT to structural components of existing structures can be made to prevent or remediate infestations of all the wood infesting and destroying organisms that are controlled by BORATHOR MAX PT including subterranean termites, drywood termites, beetles, borers and Carpenter ants. Dilute BORATHOR MAX PT according to the *Target Pest Specific Dilution Ratio Tables* based on the target pest to be controlled or prevented. Alternately, use a Dilution Ratio of 1 Water : 1 BORATHOR MAX PT to prevent or remediate any target pest controlled by BORATHOR MAX PT.

BORATHOR MAX PT can be applied to the exposed surfaces of any accessible wooden and cellulose-containing structural components that are infested or in need of protection such as sills, plates, joists, girders, sub-floors, trusses, roof decking and general framing in basements, attics and crawl space areas. Do not apply BORATHOR MAX PT to component surfaces that are covered by decorative or protective coatings such as paint, stain or sealer. Remove any such coatings before application. Apply at least one coating of BORATHOR MAX PT solution to the point of wetness to the bare surface of components by brushing, rolling or spraying. Make a second application to components to which, because of their location or orientation in the structure, an application can be made to only one or two sides of the component. Components to which access is normally limited to one or two sides (and to which two treatments are applied) include sills and plates on foundation walls. Application of a second application to infested components can also speed control. Allow the first application to dry by waiting at least twenty minutes between applications.

BORATHOR MAX PT solutions can be injected into insect galleries and decay pockets within structural components. If insect exit holes or other openings are present, inject solution into these openings. If openings are not present in the component, drill small holes at eight to ten inch intervals into the component. Inject the solution into the component until the insect galleries and/or decay pockets are flooded. Sound wood can also be injected by drilling holes into the wood and injecting solution under pressure. Inject BORATHOR MAX PT solution under 40 psi pressure for 4 to 6 seconds per hole. Injection treatments can be applied to structural components without removing any decorative or protective coating from their surface.

Structural components inside of walls resting on slabs (inside wall voids) can be treated by drilling access holes through the wall covering and applying BORATHOR MAX PT solution into the wall voids onto the component surfaces within the void. Using a wall stud locating device, drill holes immediately adjacent to the sides of wall studs and apply 1/3 fluid ounce of BORATHOR MAX PT solution per hole, spacing holes at 10 to 24 inch intervals along the length of the wall stud. Additionally, drill one or more holes into each stud bay close to the floor (but above the wall base plate) and apply solution above and to the top surface of the base plate. Alternately, inject void areas with a BORATHOR MAX PT foam mixed according to the foaming directions contained in the *Mixing BORATHOR MAX PT as a Foam* section. Apply enough foam to fill void areas. More complete protection is created by treating entire walls in this manner instead of just single stud bays. It may be necessary to move or shift insulation within wall voids to keep it from interfering with the application.

Preventative and Remedial Treatment to Wood Flooring

Make preventative or remedial treatments to flooring with BORATHOR MAX PT by brushing, rolling or spraying a dilute BORATHOR MAX PT solution onto the bare floor surface. Any finish on the floor must be removed by sanding or stripping before application of BORATHOR MAX PT. Dilute BORATHOR MAX PT for application to flooring according to the *Target Pest Specific Dilution Ratio Tables*. Treat flooring at a rate of one gallon of dilute BORATHOR MAX PT solution per 500 square feet of floor surface. Treatments to control subterranean termites may require two applications. Wait one hour between applications if two applications are made. Allow floor to dry for 72 hours or until completely dry, then test floor surface with hand for tackiness or residue. If either remains, mop or sponge the affected areas until the tackiness or residue are removed. It may be necessary to sand the floor to remove any spots where the application of the solution may have caused the grain of the wood to become raised. The floor surface must be dry and the wood moisture content of the floor must be reduced to 10% or less before any finish is applied to the floor. Before applying finish to the floor, always test a small section with the new finish to make sure the finish will adhere properly to the newly treated floor.

Preventative Treatment of Structures Under Construction (Pretreatment or Pretreat)

Applications of BORATHOR MAX PT to exposed surfaces of cellulose-containing structural components of structures under construction can be made to prevent infestations of and damage to these structural components by all the wood infesting and destroying organisms that are controlled by BORATHOR MAX PT including subterranean termites, drywood termites, beetles, borers and Carpenter ants. Structural components are defined as the "skeletal" parts of the structure made of wood and other cellulose-containing substances that help give the structure its basic shape and rigidity. Structural components include sills, plates, joists, girders, sub-flooring, wall studs, trusses, rafters, decking and exterior sheathing.

Time applications of BORATHOR MAX PT to structures under construction to occur at the point during their construction when the bare surfaces of a maximum number of structural components of the structure are exposed. This is normally after structural framing is completed and exterior sheathing and roof decking are in place (often referred to as the "dried-in" stage of construction), but before installation of insulation, mechanical components, electrical wiring or drywall has begun. Application is optimally performed at the time when access to the greatest number of structural components is available and when no further framing modifications will be made, such as after final framing inspection. If treatment is applied prior to the final framing inspection and approval, an additional visit to the structure must be made after such inspection and approval to inspect for alterations or additions to the structure that may make additional treatment necessary.

Preventative Wood Destroying and Infesting Organism (other than Subterranean Termites) Treatment to Structures Under Construction

Protection of the structural components of a structure under construction against the wood infesting and destroying organisms controlled by BORATHOR MAX PT other than subterranean termites (including drywood termites, beetles, borers and Carpenter ants) is created when the exposed surfaces of these components are treated at the time of construction with BORATHOR MAX PT according to the directions below. (Application directions for the prevention of subterranean termites are contained in a separate section because BORATHOR MAX PT is diluted to a different concentration for applications against subterranean termites.)

Apply a 5 part Water : 1 part BORATHOR MAX PT solution to all exposed surfaces of all accessible interior structural component surfaces. Surfaces to be treated include the surfaces of sills, plates, joists, girders, sub-flooring, interior and exterior wall studs, trusses, rafters, roof decking and exterior sheathing. Concentrate treatment to structural components in high moisture areas such as bathrooms, kitchens and laundry rooms. Also treat all exposed surfaces of all accessible exterior structural components including exterior walls, exterior sheathing, siding, facias, soffits, eaves, porches, decks and railings. The completeness of the protection imparted to the structure will depend upon the extent to which an application is made to all accessible surfaces of all the structural components of the structure. Do not spray live electrical components.

Subterranean Termite Only Preventative Treatment to Structures Under Construction (Subterranean Termite Pretreatment)

Note: This treatment serves as a primary treatment for subterranean termite control. Do not use BORATHOR MAX PT as a primary treatment for the control of termites in any new structure in which less than 60% of the total linear footage of baseplates (include the baseplates for exterior and interior walls in the calculation) are made from wood or a cellulose-containing material.

Preventative BORATHOR MAX PT treatment of a structure under construction against subterranean termites involves the application of BORATHOR MAX PT to the exposed surfaces of all structural components that are adjacent or close to possible points of subterranean termite entry into the structure. Generally this treatment is accomplished by applying a BORATHOR MAX PT solution to the exposed surfaces of all structural components that rest on or are adjacent to the foundation (masonry walls and/or slab floors) of the structure.

BORATHOR MAX PT may not protect parts of a structure where there are no BORATHOR MAX PT treated structural components between points of potential termite entry into the structure and points of potential termite attack. This situation may exist, for example, in areas where wooden baseplates resting on slabs and the stud walls resting upon these baseplates are made of a material other than wood. Supplement the use of BORATHOR MAX PT in structures where such circumstances exist with the application of other forms of subterranean termite protection to protect the sections of the structure not adequately protected by BORATHOR MAX PT.

BORATHOR MAX PT creates only limited and temporary protection against subterranean termites of wood which directly contacts the ground. BORATHOR MAX PT cannot be considered a substitute for products registered for protection of wood in contact with the ground against subterranean termites. If possible, break contact between the ground and untreated wooden components of the structure.

Subterranean Termite Only Exterior Treatment to All Structures

Apply a 1 part Water : 1 part BORATHOR MAX PT solution to the point of wetness to all exposed surfaces of all accessible structural components around the exterior of the structure that are within two feet (twenty four inches) of the top of the foundation. This treatment can take the form of a continuous band treatment around the exterior of the structure to the first two feet of structural components above the foundation. Two treatments will likely be required to most of the structural components covered by this treatment because access will likely be limited to only one or two sides of the components. Allow the first application to dry by waiting at least twenty minutes between applications.

Subterranean Termite Only Treatment to Structures With Crawl Spaces

Apply a 1 part Water : 1 part BORATHOR MAX PT solution to the point of wetness to all exposed surfaces of all crawl space accessible structural components that are within two feet (twenty four inches) of the top of the foundation. This treatment can take the form of a continuous band treatment running along the foundation wall to the parts of structural components touching and/or adjacent to foundation walls and pillars such as sills, plates, joists, girders and sub-floors that are within two feet of the foundation. Also treat adjacent to where plumbing, electrical conduits and heating ducts penetrate the sub-structure.

Subterranean Termite Only Treatment to Structures On Slabs

Apply a 1 part Water : 1 part BORATHOR MAX PT solution to all exposed surfaces of all accessible cellulose-containing structural components that are within two feet of the slab floor surface and foundation such as stud wall baseplates and the first two feet of stud walls resting on the baseplates.

Subterranean Termite Only Treatment to Structures With Basements

Depending on their configuration, the upper portion (ceilings) of basements should be treated according to the directions found in the *Subterranean Termite Only Treatment to Structures Containing Crawl Spaces* section above and the lower portion of basements (floor area) should be treated according to the directions contained in the *Subterranean Termite Only Treatment to Structures Containing Slabs* section above. Additionally, apply BORATHOR MAX PT to the complete length of all cellulose-containing structural components touching or adjacent to masonry walls such as vertical stud walls close to or touching the basement masonry foundation walls.

Remedial and Preventative Treatment of Single Wooden Components or Groups Of Similar Wooden Components

Applications of BORATHOR MAX PT to single or groups of similar wooden components of existing structures or structures under construction can be made to prevent or remediate infestations of all the wood infesting and destroying organisms that are controlled by BORATHOR MAX PT including, but not limited to, subterranean termites, drywood termites, beetles, borers and Carpenter ants. Refer to the *Component Specific Application Rate Tables* for the Dilution Ratios and application rates for applying BORATHOR MAX PT solutions to groups of similar wooden components based on their size, thickness and number or surface area.

Long term protection of treated components exposed to moving water (such as exterior components) is possible only if their treated surfaces are protected. Refer to the *Protection of Exposed Treated Component Surfaces* section of this label for advice on protecting exposed components after treatment.

Remedial and Preventative Treatment of Decks, Fences and Siding Constructed of Wooden Components Two or Less Inches Thick

This treatment is applicable when the wooden components to be treated are two or less inches thick including decks, fences and siding. Refer to the *Component Specific Application Rate Tables* for the Dilution Ratios and application rates for applying BORATHOR MAX PT to different wooden components based on their size, thickness and number or surface area. Make applications by brushing, rolling or spraying. Apply only to bare wood surfaces without any type of decorative or protective coating or finish. If necessary, remove any such coating or finish before application. Apply a second application to components to which access is limited to only one or two sides of the component and to heavily infested components. Allow first application to dry by waiting at least twenty minutes between applications. Do not apply during periods of precipitation. Protect treated surfaces from moving water for at least 48 hours after the last application is made.

Remedial and Preventative Treatment of Log Structures, Beams and Pilings More Than Two Inches Thick

This treatment is applicable when the wooden components to be treated are more than two inches thick including timbers, beams, pilings and logs. Refer to the *Component Specific Application Rate Tables* for the Dilution Ratios and application rates for applying BORATHOR MAX PT to different wooden components based on their size, thickness and number or surface area. Make applications by brushing, rolling or spraying. Apply only to bare wood surfaces without any type of decorative or protective coating or finish. If necessary, remove any such coating or finish before application. Apply a second application to components to which access is limited to only one or two sides of the component and to heavily infested components. Allow first application to dry by waiting at least twenty minutes between applications. At least two applications of BORATHOR MAX PT solution are needed to adequately treat wood six or more inches thick. The total number of applications needed to adequately protect a component will depend upon actual component size, surface porosity and number of sides accessible for treatment. When treating logs, also apply two applications of BORATHOR MAX PT solution to log ends, notches, corners and sill (lowest level) logs. Do not apply during periods of precipitation. Protect treated surfaces from moving water for at least 48 hours after the last application is made.

Dip Treating Logs and Lumber

Prepare a quantity of a 5 parts water : 1 part BORATHOR MAX PT solution sufficient in quantity to completely submerge the wooden component(s) when dipped. Place separators between bundled components prior to dipping (sticker) to ensure that all of the surfaces of the submerged wood are exposed to the solution. Submerge the components in the solution for at least one minute or until all entrapped air has escaped, whichever period of time is longer. Protect treated surfaces from moving water for at least 48 hours after treatment.

Preventative and Remedial Treatment to Drywall and Cellulose Insulation to Prevent or Control Algae

BORATHOR MAX PT can be applied to drywall and cellulosic insulation in structures under construction and in existing structures for the prevention and remedial control of algae. Refer to the *Fungi (Rot) and Algae Dilution Ratio Table* to determine the Dilution Ratio that should be used for each of these types of treatment. Make applications by brush, roller or spray at the rate of one (1) gallon of BORATHOR MAX PT solution per 400 square feet of surface area to cellulosic insulation and to the back side only of drywall. Do not apply to surfaces covered by a decorative or protective coating such as paint, stain or sealer. If necessary, remove protective coating before treatment.

General Pest Control Applications

The application of BORATHOR MAX PT to the surface of the wood in new construction or to wood surfaces inside wall void areas of existing structures can help control cockroaches, ants (except Fire ants, harvester ants, Pharaoh ants), silverfish, earwigs, boxelder bugs, millipedes and crickets that come in direct contact with these treated areas. Mix a 1 part Water : 1 part BORATHOR MAX PT dilution and apply one (1) gallon of BORATHOR MAX PT solution per 400 square feet of surface area.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry (preferably locked) storage area inaccessible to children and pets. Do not freeze.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waster disposal facility.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then, offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

IMPORTANT READ BEFORE USE

NOTICE: Read the entire Directions for Use, Conditions of Sale, Disclaimer of Warranties and Limitations of Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

CONDITIONS OF SALE: The Directions for Use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond the control of Ensystex II, Inc., it is impossible for Ensystex II to eliminate all risks associated with the use of this product such as ineffectiveness or unintended consequences. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Ensystex II harmless for any claims relating to such factors.

DISCLAIMER OF WARRANTIES: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the Directions for Use under normal conditions of use. ENSYSTEX II MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, under abnormal conditions or under conditions not reasonably foreseeable by (or beyond the control of) seller or Ensystex II, Inc., and buyer assumes the risk of any such use.

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This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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Material Safety Data Sheet
BORATHOR MAX PT

Emergency Phone Transportation 1-800-424-9300 (Chemtrec)
Emergency Phone Medical 1-800-369-4352 (Prosar)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BORATHOR MAX PT

CHEMICAL NAME: Disodium octaborate tetrahydrate (D. O. T.)

CHEMICAL FORMULA: $Na_2B_8O_{13}{\cdot}4H_2O$

CHEMICAL FAMILY: Inorganic borate glycol solution

COMPANY: Ensystex II, Inc.

ADDRESS: 2713 Breezewood Ave., Fayetteville, NC 28303

DAYTIME PHONE: 1-866-367-8467 (1-866-FOR-THOR)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Disodium octaborate tetrahydrate	CAS # 12280-03-4
Ethylene Glycol	CAS # 107-21-1

3. HAZARDS IDENTIFICATION

EYE CONTACT: May cause eye irritation. Sensitive individuals may experience burning, tearing and redness.

SKIN CONTACT: Essentially non-irritating. Softening of the skin may be caused by prolonged or repeated exposure to this material. Persons with preexisting skin disorders may be more susceptible.

INGESTION: Harmful if swallowed. Slightly toxic to humans (oral lethal dose: greater than 5.0 g/kg). Ingestion of large amounts may cause nausea, mental sluggishness followed by difficulty in breathing and heart failure, kidney and brain damage, possibly death.

INHALATION: Breathing high concentrations of vapors may cause nausea, dizziness or drowsiness and irritation of the nose and throat. Aggravation of pre-existing lung disorders may occur due to exposure. Intentional misuse by deliberately concentrating and inhaling this material may be harmful or fatal.

COMMENTS: None of the major constituents of this material have been identified as carcinogens or probable carcinogens by IARC or OSHA. Ethylene glycol may cause congenital malformations (teratogenic) in mice and rats when administered by gavage or in the drinking water during organogenesis; not teratogenic when fed in the diet. Preexisting kidney disorders may be aggravated by exposure to this material.

4. FIRST AID MEASURES

EYE CONTACT: Flush eyes with clean water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes. If irritation persists, seek medical attention.

SKIN CONTACT: Remove contaminated clothing. Cleanse affected area thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

INHALATION: If irritation of the nose or throat develops, move away from the source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, artificial respiration should be administered. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

INGESTION: Seek medical attention. If the victim is drowsy or unconscious, place on the left side with the head down. Do not give anything by mouth to an unconscious person. Vomiting should be induced if more than 1 tablespoon has been ingested, preferably with syrup of ipecac under direction from a physician or poison center. If syrup of ipecac is not available, vomiting can be induced by gently placing two fingers in back of throat. If large amounts are ingested, treat for borate toxicity. If possible, do not leave victim unattended.

NOTE TO PHYSICIAN: Treat for exposure to glycols. Contains borates. Monitor electrolytes.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: This material will not readily ignite.

EXTINGUISHING MEDIA: $C0_2$, dry powder or universal type foam.

FLASH POINT: Above 232°F (Ethylene Glycol)

FLAMMABLE LIMITS: Not known.

FIRE FIGHTING PROCEDURES: Avoid inhaling smoke. The use of a SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame.

6. ACCIDENTAL RELEASE MEASURES

Absorb with organic liquid absorbent or shovel up and place in container for disposal in accordance with applicable local regulations. Avoid contamination of water bodies during cleanup and disposal. Contact your State Pesticide, Environmental Control Agency or local authorities for proper disposal guidelines.

7. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store between 40°F and 90°F. Do not store in direct sunlight. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: The TLV (ceiling) for ethylene glycol is 50 ppm (125 mg/m3).

PERSONAL PROTECTION: Harmful if inhaled or absorbed through skin. Avoid breathing vapors or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse. Avoid contamination of food or feed. Do not leave container where children or animals may gain access.

Applicators and other handlers must wear longsleeved shirt and long pants, socks, shoes, chemical resistant gloves and protective eyewear. When applying BORATHOR MAX PT in confined spaces, provide ventilation or an exhaust system or use a NIOSH-approved dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G) or a NIOSH-approved respirator with any N, R, P or HE prefilter. Refer to BORATHOR MAX PT label for actual regulatory personal protection requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: Clear viscous liquid

SPECIFIC GRAVITY: 1.364 g/ml

VAPOR PRESSURE: 0.06 mmHg @ 20°C (V. P. ethylene glycol)

SOLUBILITY IN WATER: 100%

BOILING POINT: Greater than 197°C (B. P. ethylene glycol)

pH @ 20°C: 50% (v/v) aqueous solution 6.97

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Exposure to strong oxidizing agents.

INCOMPATIBILITY MATERIALS AND MATERIALS TO AVOID: This material is incompatible with strong oxidizing agents. This product may corrode aluminum.

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Ethylene oxide, carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

INGESTION: Acute oral LD50 > 5,000 mg/kg body weight (rat).

DERMAL: Acute dermal LD50 > 2,000 mg/kg body weight (rabbit).

INHALATION: Acute inhalation LC50 > 5 mg/L (or g/m3) for 4 hours (rat).

13. DISPOSAL CONSIDERATIONS

Consult state and local authorities for disposal guidelines.

14. TRANSPORT INFORMATION

D. O. T. is not regulated by the U.S. Department of Transportation.

15. REGULATORY INFORMATION

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT): D. O. T. is not listed.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): D. O. T. is not listed.

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