



# Borrada LP™



WOOD PRESERVATIVE / INSECT CONTROL

For the preservation, protection and preventative treatment or new construction pre-treatment of wood\* against decay fungi and wood destroying insects and for remedial control of such pests in infested wood. For use indoors or outdoors.

*\* Also for wood-foam composite structural components.*

(1 gallon covers approximately 200-300 sq. ft. of wood surface)

May be used on non-food contact surfaces in edible product areas of official establishments operating under the Meat, Poultry, Shell Egg Grading and Egg Products Inspection Programs.

**ACTIVE INGREDIENT:**

Disodium Octaborate Tetrahydrate ( $\text{Na}_2\text{B}_8\text{O}_{13} \cdot 4\text{H}_2\text{O}$ ) ..... 40.0% (by wt.)

**INERT INGREDIENTS:** ..... 60.0% (by wt.)

**Total:** ..... 100.0% (by wt.)

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

SEE INSIDE ATTACHED BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No.: 39578-3-53883

EPA Est. No.: 53883-TX-002

Manufactured for:

**CSI**

**CONTROL**

SOLUTIONS

incorporated

Net Contents:

1 Gallon

5903 Genoa-Red Bluff • Pasadena, TX 77507-1041

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## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Avoid contamination of food and feed. Do not leave container where children or animals may gain access.

#### FIRST AID

<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Applicators and other handlers must wear:** Long sleeve shirt and long pants, shoes plus socks, protective eyewear, chemical resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton) and, in confined spaces, a respirator with an organic removing cartridge with a prefilter approved for pesticides (MSHA / NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge with any N, R, P or HE prefilter.

#### 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.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT Call CHEMTREC - Day or Night: 1-800-424-9300 toll free in the continental U.S., Puerto Rico, or U.S. Virgin Islands. For calls originating elsewhere: 703-527-3887 (collect calls accepted). **Notice:** Read and understand the entire label before using. Use only according to label directions.

Before buying or using this product, read **DISCLAIMER** and **LIMITED WARRANTY** statements found elsewhere on this label. If terms are unacceptable, return unopened package to seller for full refund of purchase price. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under the **DISCLAIMER** and **LIMITED WARRANTY**.

## DIRECTIONS FOR USE

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

BORRADA LP is an inorganic borate salt, soluble in water, with insecticidal and fungicidal qualities effective against wood destroying organisms, including the target pests listed below. This product can be used as a remedial treatment of infested wood, and as a protective or preventative treatment (before signs of infestations are observed) of wood in existing construction.

BORRADA LP is recommended for the treatment of wood and cellulose materials when used in accordance with the specific treatment methods described within this product label. *BORRADA LP is effective for all interior and exterior wood (including wood-foam composite structural components) that will be protected from excessive rain and that will not be in direct contact with soil.* Types of wood that can be treated include, but are not limited to, all types of lumber, logs and plywood. BORRADA LP should be applied only to bare, clean wood, plywood, particleboard and other cellulosic materials where an intact water-repellent barrier such as paint, stain, or a sealer is not present.

Since BORRADA LP is applied directly to the wood, it can be used in areas where environmental contamination is of concern (nearby wells, cisterns, etc.). The active ingredient in BORRADA LP is an inorganic salt and once in place, it will not decompose or volatilize out of the wood. Treatment is long lasting as long as the treated material is not exposed to rain, continuous water or ground contact.

This product is toxic to wood destroying insects, however surface etching of treated wood by the target organisms may still occur. Older wood boring beetle larvae (particularly Old House Borers) already present in the wood at the time of treatment may occasionally emerge sometime after treatment. This will not occur frequently enough to cause structural damage to any wooden member.

BORRADA LP is not intended as a substitute for mechanical alteration, soil treatment or foundation treatment, but simply as a supplementary treatment. When active infestations exist, get a professional inspection. In areas where a soil treatment/barrier termiticide treatment is required by law, BORRADA LP should be applied as a supplemental pretreatment to protect wood from subterranean termites that may penetrate chemical gaps occurring in termiticide-treated soil.

When spraying overhead interior areas of homes, apartment buildings, etc. cover or protect all surfaces below the area being sprayed with plastic sheeting or other material which can be disposed of if contamination from dripping occurs. Do not apply in food serving areas while food is exposed.

The use of this product in food processing establishments should be confined to time periods when the plant is not in operation. Foods should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before using. After treatment in food processing plants, thoroughly wash all equipment, benches, shelving, etc. where exposed food will be handled, with an effective cleaning compound and rinse with potable water.

## TARGET ORGANISMS

BORRADA LP is effective for the treatment of wood (including wood-foam composite structural components) against decay fungi, including brown (i.e. Poria), white and wet rots, and for wood-boring insects including but not limited to the following varieties of termites, beetles and carpenter ants:

### Subterranean termites

*Reticulitermes*

*Heterotermes*

*Coptotermes (Formosan)*

### Drywood termites

*Kalotermes*

*Incisitermes*

### Dampwood termites

*Zootermopsis*

### Ambrosia beetles

*Scolytidae*

### "False" powder post beetles

*Bostrichidae*

### Furniture and deathwatch beetles

*Anobiidae*

### Old house borers / Longhorn beetles

*Cerambycidae*

### Powder post beetles

*Lyctidae*

### Carpenter ants

*Camponotus*

## APPLICATION RATE FOR ALL WOOD SURFACES

Apply BORRADA LP diluted as described below to wetness but not runoff by spray or brush application. See specific directions for foam or injection.

## SURFACE PREPARATION

Wood must be clean and bare: free of dirt, wax, and surface finishes. Remove all previous coatings or sealants. Remove surface mold or mildew prior to applying BORRADA LP. **Do not apply to frozen, cold or very hot wood. Surface temperature must be between 40°F and 90°F.**

## APPLICATION

Applications of BORRADA LP may be used as a solution or foam. Solution may be applied by brush, spray, or dipping. Application of the solution may also be made by drilling and then injecting under pressure into sound wood or into the holes or galleries of infested wood. As foam, BORRADA LP may be applied directly to wood surfaces or injected into insect galleries or wall voids. See directions for **REMEDIAL AND PREVENTATIVE WOOD TREATMENTS** for detailed application instructions.

## PREPARATION OF AQUEOUS TREATMENT SOLUTION

Shake container before use. For use, BORRADA LP is diluted in water at a ratio of 1 part BORRADA LP to 1 part water. Use of warm water will increase rate of dissolution. For each gallon of clean water slowly add 42 ounces (1/3 gallon) of BORRADA LP, while stirring or agitating. Stir or agitate until BORRADA LP is completely dissolved in the water. This mixture must be used within 24 hours. To avoid blocking spray hoses, mix in separate container then pour into spray tank. If this is not possible, be sure to add WARM water first, then add BORRADA LP while stirring or agitating, SLOWLY enough to be sure it is dissolving as it is added.

## PREPARATION OF FOAM TREATMENT MIXTURE

Prepare 1:2 aqueous solution as stated above and add surfactant/foaming agent. Follow the instructions for the foaming agent to produce dry foam with the desired expansion ratio of approximately 20 to 1 (approx. 20 gallons of foam per 1 gallon of aqueous solution). Typically 1 to 2 ounces of foaming agent added to the solution is appropriate. BORRADA LP foam should be of a "dry" consistency. Refer to the foam machine equipment manufacturer manuals and the surfactant's label for specific instructions.

## **REMEDIAL AND PREVENTATIVE WOOD TREATMENTS**

**FOR EXPOSED WOOD SURFACES:** For infested wood, or preventive treatment of wood, that has exposed surfaces, e.g. in basements, crawl spaces, decks, sheds, siding, or fences, treat by dipping, spray, brush, or foam. Include joists, sill plates, studs, girders, piers, base plates, etc. Wood must be clean and not treated with a surface covering. If using on treated surfaces, sand or strip before treating. If not all surfaces of the wood are accessible, apply a second coat to the accessible surfaces after at least 20 to 30 minutes. Wood containing an active infestation may also be treated by injection. Use entries to galleries, or drill holes into wood where galleries are expected, and inject prepared solution until runoff is seen from exit holes. Exterior wood surfaces should have at least 48 hours without exposure to rain. Continued exposure to rain or other wetting will reduce the duration of effectiveness. Once completely dry, which might take 1 to 4 weeks depending on local conditions, wood should be protected from moisture by sealing with a water resistant stain or sealer, or by covering. Annual inspection is advised.

Lumber, logs, etc. treated by dipping should be immersed for one minute then removed and allowed to dry. If bundled, use spacers to allow access to all surfaces of all pieces of wood. Protect treated wood from rain or snow for at least 24 to 48 hours.

**FOR COVERED WOOD:** For wood that is not exposed, drill small holes adjacent to studs and/ or along baseboards (or remove baseboards and drill through wall covering). Holes should be no less than 2 feet apart. Spray or apply foam into wall void to thoroughly wet all wood surfaces. If the void is empty, foam will be most effective and should be applied to fill the void and contact all surfaces. If insulation is present, this may affect distribution of spray, and it may be necessary to displace or remove insulation before treatment. Foam insulation may be injected and surface sprayed.

**FOR FLOORING:** Finished flooring must first be stripped or sanded. Once the surface is clean and open, apply by brush, roller, or spray. Allow to dry at least 48 to 72 hours. Water-based treatment as described may raise flooring grain, so an additional light sanding might be required before refinishing. If residue or tackiness is found after 72 hours, wipe the floor lightly with a sponge or mop, and allow to dry. Once dry to touch, with no tackiness, sand lightly if required, apply a new finish.

## **PRETREATMENT OF WOOD BEFORE CONSTRUCTION**

(BORRADA LP IS NOT REGISTERED FOR PRETREATMENT OF WOOD IN THE STATE OF FLORIDA)  
Pretreatment of homes or other wood-framed buildings under construction can protect from future infestation with Formosan, subterranean, drywood, and dampwood termites; carpenter ants; old house borers; powderpost and other wood-boring beetles; and wood decay fungi.

Pretreatment should be done when access to wooden structural components is optimized, such as the "dried-in" stage when sheathing and roofing are in place, but before installation of wiring, plumbing, and other mechanical components.

Prepare solution as described above in **PREPARATION OF AQUEOUS TREATMENT SOLUTION** section, or prepare foam as described above in **PREPARATION OF FOAM TREATMENT MIXTURE** section. Apply 1 gallon of solution or foam equivalent (i.e. the foam resulting from 1 gallon of solution) per 108 square feet of surface treated. Wood surfaces should be free of any water-resistant cover. Brush or spray to wetness an uninterrupted band on all wood surfaces at least 2 feet up and 2 feet in from the base perimeter of the wood structure, as well as all wood with vertical access to soil. Also treat all wood in a 2 foot band along planned plumbing pipe routes in plumbing walls, and adjacent to cut-outs or conduits for plumbing, heating, wiring, or other mechanical components which may lead to contact with

or proximity to soil. For wood where the 2 broadest surfaces are not both accessible, apply a second coating at least 20 to 30 minutes later. For voids where the interior is not accessible, drill small holes no more than 2 feet apart and spray into the interior, or better, fill the void with foam.

For optimal protection spray or brush all the wood surfaces of the entire first story of the framing, joists, and subfloors.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a dry place. Do not store where children or animals may gain access. After prolonged storage shake container before opening and mixing.

**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

**For Paper or Plastic Bags:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**For Plastic Containers:** Do not reuse empty container. Triple rinse container, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**For Mini-bulk Refillable Containers:** Return to Control Solutions Inc. If not returned or refilled, do not reuse container. Triple rinse, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## DISCLAIMER

### IMPORTANT:

Read the entire Label including this disclaimer, Risks of Using this product, Limited Warranty, and Limitation of Liability before using this product.

Seller makes no warranty expressed or implied, concerning the use of this product other than as indicated on the label. Buyer assumes all risk of use and/or handling of this material when use and/or handling is contrary to label instructions. Because of many varying conditions affecting use and application, manufacturer warns complete prevention of decay by fungi or other organisms is not guaranteed.

Neither manufacturer nor 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 herein, nor with respect to breach of any warranty not expressly specified herein.

Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

## LIMITED WARRANTY

Control Solutions Inc. warrants only that this product conforms to the description on the label and is reasonably fit for the purpose stated in the label, under average use conditions, when used strictly in accordance with the label.

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WOOD PRESERVATIVE / INSECT CONTROL

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