

Can-Bor is a water soluble inorganic borate salt with insecticidal, termiticidal, and fungicidal properties. This product can be used for preventative treatment of wood in existing structures (before signs of infestation) and for remedial treatment of wood infested with termites, carpenter ants and wood-boring beetle larvae, as specified below.

- **Comprised of 98% Anhydrous Disodium Octaborate**
- **Full concentration powder, or mix with water for a 10% or 15% solution**
- **Apply as powder, liquid or foam**
- **For control of insects and fungi**
- **Apply by brush, spray or injection**
- **Used to protect poles, landscape timbers, log homes, decks, etc.**
- **Use in conjunction with copper-borate diffusible rods (*Cobra™* Rod or *Postguard*)**

WHAT DOES CAN-BOR CONTROL?

For protection and preventative treatment of wood against decay fungi and wood destroying insects, and for remedial control of such pests in infested wood.

Termites

Beetles

Carpenter ants

Fungi

Decay

TECHNICAL INFORMATION

Can-Bor is registered by the Pest Management Regulatory Agency (PMRA) as a fungicide, termiticide and insecticide. *Can-Bor* is a unique, ready to use product for the protection and remedial treatment of wood against all wood destroying organisms. For a ready-to-use liquid *GenBor RTU* can be used to eliminate on-site mixing.

DIRECTIONS FOR USE

Always estimate the amount of *Can-Bor* solution needed. Mixed product will not store long term. Higher concentration mixture should not be stored. For surface application, approximately 20 litres of solution will be needed to treat 100 square metres of wood surface area (approx. 200 square feet per gallon).

1) POWDER

As a powder, *Can-Bor* can be dusted into cracks, holes drilled into infested wood and other voids. Apply powder at a rate of approximately 130-150g per square metre.

2) SPRAY

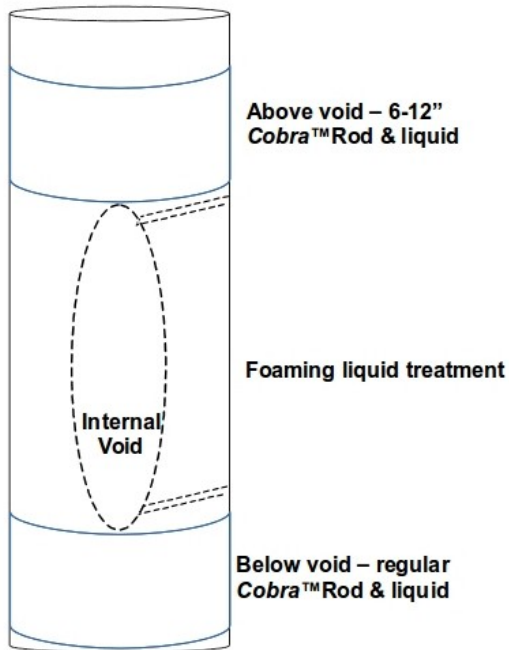
The *Can-Bor* solutions should be applied evenly to wood using a medium to coarse spray at low pressures (1-2kg/cm). Applications rate is 1 litre per 5 square metres of wood surface area. Ensure that all accessible wood surfaces are thoroughly wetted. Wood will absorb *Can-Bor* solution at different rates. Surfaces that absorb solution rapidly can be re-sprayed immediately.

3) INTERNAL FLOOD

Can-Bor solutions can be used to fill voids in wood from decay or insect infestation. Care should be taken to prevent solution from escaping from cracks and other holes. It is recommended to use a foaming system for these situations.

- 1) Locate the void by sounding the pole with a hammer or suitable instrument.
- 2) Drill a ½" hole into the void, as close to the top as possible (Recommended not to drill holes no larger than ½").
- 3) Drill a second hole near the bottom of the void or at ground line.
- 4) It is also suggested to add a combination of Can-Bor and *Cobra*™ RODs the solid wood above the void. The purpose of this is to prevent decay/insects from moving upward. Refer to *Cobra*™ ROD label for instructions, drill pattern and load rate information.
- 5) Avoid drilling through checks. If a hole intersects a check, plug the hole and drill another adjacent to the previous hole but far enough away to not intersect the check.
- 6) Ensure mixture in tank has not separated before each application by swirling tank.
- 7) Insert sprayer tip into upper hole and apply until foam can be seen exiting through the lower hole. Pump sprayer as needed during application to ensure proper spraying pressure and foaming action.
- 8) Plug lower hole with appropriate sized plug (i.e. 9/16" *Cobra*™ PLUG).
- 9) Continue applying into upper hole until refusal or if excessive amounts of foam or liquid begins to leak from seasoning checks/cracks. Pump sprayer as needed during application to ensure proper spraying pressure and foaming action.
- 10) Plug upper hole.

The drill pattern for the foaming application is different for each pole and dictated by the size and location of the void or ant galleries.



4) FOAM

Can-Bor solution can be applied as a foam. The foam can be applied directly to wood surfaces, injected into infested galleries, applied to joints or cut ends of wood and injected into void areas such as studded and block walls. Foam is not to be used as a soil treatment technique. The foam should be of such a consistency that it adheres to the wood surface, minimizing runoff (unless injected into a void or gallery within a wood member). Where possible, place foam between wood joints or abutting wood surfaces. In wall voids, inject enough foam to contact the wood surface of the studs in the wall or the target area desired.

Since foaming systems differ always refer to the mixing and addition rates recommended by the system (foaming equipment and foaming agent) you are using. Normally 30-60ml of foaming agent per Litre of *Can-Bor* solution is sufficient.

HOW DOES CAN-BOR WORK?

Can-Bor is a solution for wood treatment against wood destroying organisms. *Can-Bor*, applied in solution, will penetrate into the wood to various depths dependent on the moisture in the wood and the wood species. The active ingredient does not break down, therefore as normal moisture changes occur in the wood, *Can-Bor* is always available to be drawn deeper into the wood over time, providing long lasting protection.

Application of *Can-Bor* to control wood destroying organisms must be part of an Integrated Pest Management (IPM) Strategy. Problems that may have led to the infestation or that may do so in the future must be corrected. This includes correcting moisture leaks, providing adequate ventilation and moisture barriers and removal of debris from crawl spaces. After the initial treatment, inspections should be performed on a regular basis and additional preventative application treatments of *Can-Bor* can be made. Each additional treatment will increase the borate loading and penetration into the wood, further protecting it from insect and fungal attack.

TROUBLE SHOOTING\HINTS

- The best results and penetration will be obtained with temperatures above 13°C. Wood does not take up water as readily at lower temperatures.
- Heartwood is more difficult to penetrate with water based solutions as compared to sapwood. Logs may have knots in them that consist predominantly of heartwood. A white residue may remain in these areas *after Can-Bor* application. This can be removed with a damp cloth.
- *Can-Bor* will not corrode metals normally used in construction. This includes ferrous metals, galvanized metals,

screws and nails. *Can-Bor* will not affect electrical wiring either, but it is recommended that applications to wood be performed before wiring is in place. Treated wood can be machined, shaped and glued.

- Injection tips should be brass or other metal and fit snugly into the drilled hole to prevent drippage or sprayback.
- Use a short injection tip. This will allow the solution to flow into the treatment holes.
- A clear hose is helpful in order to confirm that foaming solution is moving into pole.

CARE OF SPRAY EQUIPMENT

Normal care and maintenance of spray equipment is sufficient.

Can-Bor solutions are compatible with stainless steel, brass and all plastic components of spray equipment. Solutions should be mixed as needed and drained from equipment daily. After use, equipment should be rinsed with clear, warm water if desired to flush any remaining *Can-Bor* from the sprayer. Rinse spray tips thoroughly, in the same manner.

TROUBLE SHOOTING\HINTS

Some solids may form from solutions after prolonged exposure to cold or if water has been allowed to evaporate over an extended period of time. Bring cold solutions to room temperature and agitate until all solids redissolve. Add more water to the evaporated mixture and reagituate until all solids redissolve.

Do not use a solution with solids present.

Under some conditions, spray tips may clog due to evaporation. Flushing or soaking in warm water can unclog spray tips.

STORAGE

***Can-Bor* should be stored in a dry place above ground where children and animals cannot gain access**

Can-Bor solutions may be stored indefinitely in carefully labeled sealed containers and should be kept from evaporating or freezing. There is no fire hazard with *Can-Bor*.

Can-Bor

Wood Preservative/Insect Control

For protection and preventative treatment of wood* against decay fungi and wood destroying insects, and for remedial control of such pests in infested wood.

(*Also for wood-foam composite structural components.)

**COMMERCIAL
EYE IRRITANT**

GUARANTEE:

Disodium Octaborate Tetrahydrate (Na₂B₈O₁₃·4H₂O). 98%

REGISTRATION NO. 29941 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

Manufactured by:

Genics Inc.

561 Acheson Road, 53016 Hwy 60

Acheson AB T7X 5A7 Canada

Toll Free: 1-877-943-6427

DIRECTIONS FOR USE:

General information

Can-Bor is a water soluble inorganic borate salt with insecticidal, termiticidal, and fungicidal properties. This product can be used for preventative treatment of wood in existing structures (before signs of infestation) and for remedial treatment of wood infested with termites, carpenter ants and wood-boring beetle larvae, as specified below.

Control of wood destroying organisms

Can-Bor is recommended for wood and cellulose materials, in accordance with the specific treatment methods described herein. *Can-Bor* is effective for all 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 target organisms may occur. Application of *Can-Bor* to control wood-destroying organisms must be part of an Integrated Pest Management (IPM) strategy.

Target organisms

Can-Bor is effective for treatment of wood (and wood-foam composite structural components) against decay fungi, including brown (i.e. *Poria*), white rots and the following wood boring termites, beetles, and carpenter ants:

- **Subterranean Termites**, e.g. *Reticulitermes*

(*Termitidae*)

- **Drywood Termites**, e.g. *Incisitermes*

(*Kalotermitidae*)

- **Dampwood Termites**, e.g. *Zootermopsis*

(*Hodotermitidae*)

- **Furniture and Deathwatch Beetles** (*Anobiidae*)

- **Powder Post Beetles** (*Lyctidae*)

- **Old House Borers, Longhorn Beetles**

(*Cerambycidae*)

- **Carpenter Ants** (*Camponotus*)

Mixing instructions

• **10% aqueous solution (approximate):** To prepare solution, water should be added to the tank to about 80% of the final volume of solution required. While agitating, add 120g. (0.12kg.) of *Can-Bor* gradually

for each litre of treating solution required. The remaining water is then added and the solution is agitated until the product has dissolved.

•15% aqueous solution (approximate): Prepare solution as above, but gradually add 180g. (0.18kg.) of *Can-Bor* for each litre of treating solution that is required. Note: *this concentrated solution should be used immediately and should not be stored.* Equipment should be rinsed and cleaned after use.

•15% foam (approximate): Prepare 15% aqueous solution as listed above and add surfactant/foaming agent. Typically 30-60 ml. of foaming agent added to one litre of the 15% aqueous solution will produce a dry foam with the desired expansion ratios of approximately 20 to 1 (approx. 20 litres of foam per litre of aqueous solution). *Can-Bor* foam should be of a consistency that adheres to wood surfaces, so that run off is minimized. Since each foam machine can produce different foams, refer to the equipment manufacturer manuals and the surfactant's label for specific instructions.

Application

Can-Bor may be used as a solution, powder or foam. No product should be visible in living areas after application.

• Solutions: For remedial control of organisms attacking wood, or for protection of wood against future infestations, 2 applications of the 10% aqueous solution are normally required. Alternatively, apply 1 application of the 15% aqueous solution. Apply solutions of *Can-Bor* by brush or spray until wood surface is thoroughly wet, at a rate of approximately 1 litre per 5 square metres of wood surface area (or 20 litres per 100 square metres). Spray evenly using medium or coarse spray at low pressures (1-2 kg/cm²). Best results and penetration will be obtained when ambient temperatures are over 13°C. Do not spray frozen wood, painted or waterproofed surfaces. After treatment, exterior wood surfaces should be sealed to prevent *Can-Bor* from diffusing out. Wood should be completely dry before a sealing coat (paint, varnish or waterproofing seal) can be applied. Application may also be made by drilling and then injecting the solution under pressure into sound wood or until runoff is observed from entry/exit holes of infested wood. Injection holes (approximately 3 mm diameter) should be drilled in the area of suspected infestation, preferably in a diamond pattern with the long axis (30-40 cm) along the grain and the short axis (10-15 cm) across. Drill holes approximately 3/4 of the thickness of the beam. The solution is injected under pressure (4-5 kg/cm²) for 15-60 seconds in each hole.

• Powder: Alternatively, apply *Can-Bor* powder to wood members by drill and injection into galleries or dust generously on wood surfaces. *Can-Bor* powder can also be injected into wall voids such as between studs, block voids, box sill, eaves, attics, soffits, etc. Apply powder at a rate of approximately 130-150g per square metre.

• Foam: Apply foam so that all accessible wood surfaces are covered with foam. Where possible, place foam between wood joints or abutting wood surfaces. In wall voids, inject enough foam to contact wood surfaces of studs in the wall, or the target area

desired. Foam can be injected into galleries until runoff is observed from kick holes, or entry/exit holes.

Preventative treatment:

Application of *Can-Bor* solution, foam or powder will prevent infestation of wood termites, carpenter ants and the wood-boring beetles named above. Carpenter ants do not excavate treated surfaces, but may penetrate wood through untreated surfaces; this may be prevented by dusting wall voids, electrical and plumbing lines, cracks and crevices with *Can-Bor* powder. Eggs of wood-boring beetles laid on treated surfaces show reduced hatch rates; those larvae that do emerge die as they bore into the treated wood.

Remedial treatment:

Can-Bor from solutions and foams will penetrate dry wood down to 12mm below treated surfaces. Carpenter ants may be controlled by application of powder to wall voids, electrical and plumbing lines, cracks and crevices. Established infestations of termites and carpenter ants at greater depths may be controlled by drilling and injection of *Can-Bor*. Beetle larvae at greater depths may not be immediately controlled by surface treatment, nor even by drilling and injection, but will eventually be killed by ingesting *Can-Bor* treated wood as they come to the surface to pupate.

General insect control:

Can-Bor powder may also be used as a crack and crevice and void treatment for control of cockroaches, silverfish and ants. *Can-Bor* may not be used for flea control. *Can-Bor* 15% aqueous solution may be used as a crack and crevice treatment only. Apply *Can-Bor* powder into wall voids and hiding places such as in cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators, behind baseboards, coffee makers, meter boxes and manholes. Any powder visible after application must be brushed into cracks and crevices or removed. Apply only in areas inaccessible to children and pets. Avoid contamination of feed and foodstuffs. In food areas of food handling establishments, application of *Can-Bor* powder or 15% aqueous solution is limited to crack and crevice treatment only. Apply *Can-Bor* powder or 15% aqueous solution between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases where insects hide. Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces. Do not use in serving areas when food is exposed.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. May be harmful if swallowed. Avoid breathing the dust and contact with skin, eyes and clothing. Wear long-sleeved shirt, long pants, hat, eye goggles and

chemical-resistant gloves during all activities with this product. Wear a dust/mist mask respirator when mixing and while spraying in enclosed spaces. Wash thoroughly after handling and before eating, drinking or smoking. Do not reuse empty container. Do not contaminate water, food or feed.

ENVIRONMENTAL HAZARDS: *Can-Bor* is toxic to certain aquatic life forms. Do not apply *Can-Bor* to any body of water. Do not contaminate water or wetland areas with application equipment rinsates or wash waters.

FIRST AID INSTRUCTIONS: If swallowed, call a poison control centre or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If in eyes, 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 centre or doctor for treatment advice. If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. Take container, label, or product name and Pest Control Product Registration Number with you when seeking medical attention.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

TOXICOLOGICAL INFORMATION: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

STORAGE: Dry indoor storage is recommended. To minimize caking of the product, buckets should be handled on a first in, first out basis. Good housekeeping procedures should be followed to minimize dust generation and accumulation.

DISPOSAL:

1. Thoroughly empty the contents of the container into the application device.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

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