

Canadian Shield

Wood Preservative/Insect Control SOLUTION

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.)

DOMESTIC

REGISTRATION NO. 28298 PEST CONTROL PRODUCTS ACT

Guarantee:

Boron, present as disodium octaborate tetrahydrate. 23.6g/L

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

Distributed by :

Recochem Inc.
850, montée de Liesse
Montréal, Québec
H4T 1P4

Genics Inc.
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53016 Hwy 60
Acheson, AB T7X 5A7
Tel : (780) 962-1000 or 1-877-9-GENICS

Net Contents 1L, 4L, 20L

EYE IRRITANT

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. May be harmful if swallowed. Avoid 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 mist mask respirator 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: Canadian Shield is toxic to certain aquatic life forms. Do not apply Canadian Shield 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 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.

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

DIRECTIONS FOR USE:

General information

Canadian Shield 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

Canadian Shield is recommended for wood and cellulose materials, in accordance with the specific treatment methods described herein. Canadian Shield 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 Canadian Shield to control wood-destroying organisms must be part of an Integrated Pest Management (IPM) strategy.

Target organisms

Canadian Shield 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)
- **Old House Borers, Longhorn Beetles** (Cerambycidae)
- **Carpenter Ants** (*Camponotus*)
- **Furniture and Deathwatch Beetles** (Anobiidae)
- **Powder Post Beetles** (Lyctidae)

Application

No product should be visible in living areas after application.

For remedial control of organisms attacking wood, or for protection of wood against future infestations, 2 applications of Canadian Shield are normally required. Apply Canadian Shield 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 13C. Do not spray frozen wood, painted or waterproofed surfaces. After treatment, exterior wood surfaces should be sealed to prevent Canadian Shield 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.

Preventative treatment

Application of Canadian Shield will prevent infestation of wood termites, carpenter ants and the wood-boring beetles named above. 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

Canadian Shield will penetrate dry wood down to 12mm below treated surfaces. Established infestations of termites and carpenter ants at greater depths may be controlled by drilling and injection of Canadian Shield. 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 Canadian Shield treated wood as they come to the surface to pupate.

STORAGE: Dry indoor storage is recommended. Do not freeze.

DISPOSAL:

1. Thoroughly empty the contents of the container into the application device.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. 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.
5. For small spills, recover free liquid. Soak up residue with solid absorbent. **DO NOT FLUSH INTO SURFACE STREAMS.** Inform Provincial Regulatory Agency or the Manufacturer.

Disposal of waste materials, including solutions, treated wood residues and any other wood waste that has contacted the concentrated application mixtures, should be in accordance with provincial requirements. Contact Provincial Regulatory Agency or the Manufacturer for specific waste disposal instructions. Do not burn treated wood wastes or other treated materials.

NOTICE TO THE 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.

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