# Pine Beetle Repellent
## Verbenone Pouch

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

#### FIRST AID

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>If in eyes</td>
<td>- Hold eye open and rinse slowly and gently with water for 15-20 minutes.</td>
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<td></td>
<td>- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</td>
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<td></td>
<td>- Call a poison control center or doctor for treatment advice.</td>
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<tr>
<td>If on skin or clothing</td>
<td>- Take off contaminated clothing.</td>
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<td></td>
<td>- Rinse skin immediately with plenty of water 15-20 minutes.</td>
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<td></td>
<td>- Call a poison control center or doctor for treatment advice.</td>
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<tr>
<td>If swallowed</td>
<td>- Call poison control center or doctor immediately for treatment advice.</td>
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<td></td>
<td>- Have person sip glass of water if able to swallow.</td>
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<td></td>
<td>- Do not induce vomiting unless told to do so by a poison control center or doctor.</td>
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<td></td>
<td>- Do not give anything by mouth to an unconscious person.</td>
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<tr>
<td>If inhaled</td>
<td>- Move person to fresh air.</td>
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<td></td>
<td>- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</td>
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<tr>
<td></td>
<td>- Call a poison control center or doctor for treatment advice.</td>
</tr>
</tbody>
</table>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment.

### ACTIVE INGREDIENT

- 4,6,6-trimethyl bicyclo (3.1.1) hept-3-en-2-one*..........................96.0%

### OTHER INGREDIENTS

TOTAL..........................................................................................4.0%

*Each pouch contains 7 grams of verbenone.

**EPA Reg. No.: 56261-6**
**EPA Establishment No.: 8730-PA-01**

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# Precautionary Statements

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed or absorbed through skin, or inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes moderate eye and skin irritation. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor. Avoid contact with contents of pouch. Do not puncture pouch. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark, except under forest canopy. Do not contaminate water when disposing of equipment washwaters or rinsates.

### DIRECTIONS FOR USE

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

**APPLICATION DIRECTIONS**

Prior to use, open storage bag in a well-ventilated area and allow any accumulated vapors to vent.

**Host Tree Stands:** Stands containing pine trees including; limber, loblolly, lodgepole, pinyon, ponderosa, shortleaf, Virginia, western whitepine, white, whitebark, or pine trees of any species. Use on trees in forests; municipal and shade tree areas; recreational areas such as campgrounds, golf courses, parks and parkways; ornamental and shade tree plantings; suburban areas; and rights of way and other easements.

**Pests:** Verbenone is an antifeedant pheromone for the mountain pine beetle (*Dendroctonus ponderosae*), the southern pine beetle (*Dendroctonus frontalis*), the western pine beetle (*Dendroctonus brevicomis*), and other bark beetles. This product deters attack in tree stands and protects susceptible trees.

**Application Rate:** In tree stands, place in a grid pattern by stapling individual pouches 6-12 feet above the ground on the north face of susceptible trees. Use a minimum of 20 pouches per acre. The product is most efficacious when less than 15% of mature pinees are currently attacked and when combined with direct control tactics, e.g., sanitation harvesting or felling and burning of infested trees.

For individual living trees, staple one pouch at maximum reach from the ground on the north face, or two pouches, one at 6 feet and one at 12 feet above the ground on the north face.

**Timing:** Apply pouches when callow adults are first found under the bark, usually May-June for mountain pine beetle. The expected life span of the pouch is 50-120 days, weather dependent.

**Treatment:** Usually site-specific, depending on such factors as proximity, size and rate of growth of an infestation, stand age and composition, aspect, elevation, latitude, climate, local weather and integration with other control tactics. Inexperienced users are advised to seek guidance from a professional forest entomologist.

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# STORAGE AND DISPOSAL

**Pesticide Storage:** Store in sealed storage bag in a cool, dry place. Store below 32°F (0°C) or as cold as possible.

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

**Container Disposal:** Do not reuse empty bags. Place empty bag in trash.

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# WARRANTY STATEMENT

Pherotech International Inc. certifies that this product meets and conforms to the description on this label. No other warranty expressed or implied is made. Pherotech International Inc. will not be held liable for incidental, consequential or special damages resulting from the handling, storage or use of this product not in strict accordance with the direction given herewith.
Pine Beetle Repellent
Verbenone Pouch

KEEP OUT OF REACH OF CHILDREN

CAUTION

ACTIVE INGREDIENT
4,6,6-trimethyl-bicyclo (3.1.1) hept-3-en-2-one*...........96.0%
OTHER INGREDIENTS.....................................................4.0%
TOTAL........................................................................100%

*Each dispenser contains 7 grams of verbenone.

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See box for complete instructions