

[Inside Label - English]

MCH BUBBLE CAP

REG. NO. 28637 P.C.P.ACT

CAUTION



POISON
EYE AND SKIN IRRITANT

KEEP OUT OF REACH OF CHILDREN AND PETS

ACTIVE INGREDIENT:
MCH (3-methyl-2-cyclohexen-1-one)...97%

DO NOT puncture bubble caps or handle their contents

Manufactured by: ISCA Technologies, Inc.
info@iscatech.com

Distributed by: Distributions Solida Inc.
(418) 826-0900

[Outer Label - English]

MCH BUBBLE CAP

ANTIAGGREGATION PHEROMONE SLOW RELEASE DEVICE TO DETER
ATTACK BY DOUGLAS-FIR BEETLES, *Dendroctonus pseudotsugae*, AND
SPRUCE BEETLES, *Dendroctonus rufipennis*, ON DOUGLAS FIR TREES
AND SPRUCE TREES AND IN FOREST STANDS

Slow-Release Generator
Insect Repellent

COMMERCIAL

ACTIVE INGREDIENT:
MCH (3-methyl-2-cyclohexen-1-one) 97%

REGISTRATION NO. 28637
PEST CONTROL PRODUCTS ACT

CAUTION



POISON
EYE AND SKIN IRRITANT

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

NET CONTENTS:
100 bubble caps per package
Each 2.2 g bubble cap contains 0.4 g
of 3-methyl-2-cyclohexen-1-one (MCH)

Manufactured by:
ISCA Technologies, Inc.
1230 W. Spring St.
Riverside, CA 92507
USA
info@iscatech.com

Distributed by:
Distributions Solida Inc.
480 rang St-Antoine
St-Ferreol-les-Neiges, QC, G0A 3R0

Canada
(418) 826-0900

Applications are limited to woodlots, forests and sawmill yards. **DO NOT** apply near or in areas frequented by small children and companion animals (e.g., residential lots, parks, camping sites, resorts and scenic vistas).

DIRECTIONS FOR USE:

- 1. Host Trees:** Standing and fallen Douglas-fir and spruce trees and stumps, and stands containing Douglas-fir or spruce trees.
- 2. Pests:** MCH is an antiaggregation pheromone for the Douglas-fir beetle, *Dendroctonus pseudotsugae*, and the spruce beetle, *Dendroctonus rufipennis*. MCH bubble cap deters mass attack by these pests.

3. Rate and Application:

Placement on trees:

Place bubble caps on trees over 20 cm diameter on the north face of the tree at a minimum height of 2.5 m with the bubble facing the tree surface and the flat side facing outwards. Staple at the top and do not puncture the centre of the bubble cap.

Individual trees:

Place 1 or 2 bubble caps on each tree, the number depending on risk of attack. For large trees, add 1 more bubble cap for each additional 20 cm diameter 1 m above the previous bubble cap (e.g., a 40 cm diameter tree will have at least 2 bubble caps with 1 or 2 placed at a minimum height of 2.5 m and an additional one at 3 - 4 m height).

Treed areas less than 1 ha:

Place 1 or 2 bubble caps on all trees over 20 cm diameter, the number of bubble caps depending on risk of attack.

Forested stands over 1 ha:

Minimum dose - 100 bubble caps/ha. For low to moderate beetle pressure, place 1 bubble cap/tree in a grid pattern with 10 m centres.

Maximum dose - 200 bubble caps/ha. For high to extreme beetle pressure, place 1 bubble cap/tree in a grid pattern with 7 m centres.

For best results, remove and destroy all beetle-infested trees on property before application.

Stumps and windthrown trees:

Each stump or tree must be treated to prevent population build-up because stumps and windthrown trees are preferred

hosts. Place 1 bubble cap on the north face of each stump. Place up to 6 bubble caps, depending on tree size, at 2 - 3 m spacing on the shady side of the log.

Extensive windthrow:

For large areas of windthrow (over 1 ha) where treating every tree is not feasible, place bubble caps in a grid pattern using the maximum dose of 200 bubble caps/ha on 7 m centres.

4. Timing:

Apply at least 2 weeks prior to the expected attack flight of the pest. The expected lifespan of the bubble cap is 50-60 days, weather dependent, so a second treatment may be needed. Treatment is usually site-specific, depending on such factors as proximity, size, and rate of growth of a natural infestation or other source of beetles (e.g., a sawmill), 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.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Do not apply this product in a way that will contact workers or other persons directly. Only protected handlers may be in the area during placement on the trees. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash skin and clothing thoroughly with soap and water after handling. Avoid contact with active (liquid) ingredients; do not puncture bubble caps. Avoid inhaling fumes; open storage bag outdoors prior to use and allow to vent for 10 minutes before removing bubble caps. Users must wear suitable protective clothing including chemical resistant gloves and eye protection when handling the dispensers. Wash hands with soap and water after use. Do not contaminate irrigation water supplies or aquatic habitats by cleaning equipment or disposal of wastes.

ENVIRONMENTAL HAZARDS:

1. This product is toxic to wild birds.
2. DO NOT apply this product directly to freshwater habitats such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands, estuaries or marine habitats.

FIRST AID:

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 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. 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 inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

STORAGE AND DISPOSAL:

DO NOT contaminate irrigation or drinking water supplies or feed by storage and disposal of unused or used dispensers.

STORAGE: Store bubble caps in sealed storage bag (provided). Store below 0°C or as cold as possible.

DISPOSAL: For information on disposal of unused or 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.

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.