



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

8730-83

Date of Issuance:

9/9/2016

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Hercon® Disrupt® MCH HA

Name and Address of Registrant (include ZIP Code):

Aberdeen Road Company
 d/b/a Hercon Environmental
 P.O. Box# 435
 Emigsville, PA 17318

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.
2. Make the following labeling change before you release this product for shipment:
 Revise the EPA Registration Number to read, "EPA Reg. No. 8730-83."
3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Signature of Approving Official:

Andrew Bryceland, Team Leader
 Biochemical Pesticides Branch
 Biopesticides and Pollution Prevention Division (7511P)
 Office of Pesticide Programs

Date:

9/9/2016

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 4/4/16.

If you have any questions, please contact Chris Pfeifer of my team by phone at 703-308-0031 or via email at pfeifer.chris@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with the first name being the most prominent.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

ACCEPTED
 09/09/2016
 Under the Federal Insecticide, Fungicide
 and Rodenticide Act as amended, for the
 pesticide registered under
 EPA Reg. No. 8730-83

HERCON®
DISRUPT® MCH HA
BARK BEETLE ANTI-AGGREGANT

HERCON DISRUPT® MCH HA is a controlled-release pheromone formulation designed to lower the incidence of attacks by certain bark beetle species, including Douglas-fir beetle (*Dendroctonus pseudotsugae*), on tree stands.

ACTIVE INGREDIENT:

3-methyl-2-cyclohexene-1-one.....	12.50%*
OTHER INGREDIENTS	<u>87.50%</u>
TOTAL	100.00%

CONTENTS: 40 dispensers

One dispenser contains 400 mg of active ingredient

MINIMUM NET WEIGHT: 0.11 oz. (3.2 gms)/ dispenser, 4.5 oz. (128 gm/pouch) *

* One pouch contains 40 MCH dispensers to treat one acre.

Batch Code _____

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

Read Directions and Precautionary Statements Before Use

FIRST AID:
IF SWALLOWED:
<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person
IF IN EYES:
<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. • Call a poison control center or doctor immediately for treatment advice
IF ON SKIN:
<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor immediately for treatment advice.
IF INHALED:
<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor immediately for further treatment advice.
Hotline Number
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: www.npic.orst.edu). After 4:30 pm call your poison control center at 1-800-222-1222.</p>

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye and skin irritation. Avoid contact with skin, eyes and clothing. Avoid breathing vapor. Avoid contact with contents of dispenser. Do not puncture dispenser. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

Personal Protective Equipment (PPE): Applicators and handlers must wear: long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves, and protective eyewear. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: For terrestrial uses: Except under the forest canopy, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

DISRUPT® MCH HA is an effective management tool for certain bark beetles on various tree species. Methlycyclohexenone (MCH) is an anti-aggregation pheromone that when applied in the pouch form can protect susceptible host trees from infestation by Douglas-fir beetle (*Dendroctonus pseudotsugae*). Tree species include but are not limited to Douglas fir, Engelmann spruce, and other spruce tree species. Do not open pouches that contain the dispensers until ready to use. Do not use DISRUPT® MCH HA from damaged, punctured or unsealed containers.

APPLICATION:

Timing: Place dispensers in the field before beetle flight. Expected longevity of the dispensers is 50-60 days depending on weather conditions. Disrupt MCH HA is most effective when it is applied before beetles begin to fly and attack trees in the Spring. However, if it is applied early in the flight season, but after beetles have initiated attacks on a few trees, it may still reduce the number of trees that are killed within the treated area. Beetle flight in a typical year occurs late April, early May. Disrupt MCH HA applied by the third week in April should be effective in protecting trees and will last throughout the beetle flight. A second treatment is recommended during an extended beetle flight.

Host Trees: Use on tree stands containing a significant number of both fallen and standing Douglas-fir trees and stumps.

Target Pests: The active ingredient in this controlled release product is an anti-aggregant pheromone for the Douglas-fir beetle (*Dendroctonus pseudotsugae*).

Application: Determine the size of the area to be treated and calculate the number of dispensers needed (See Application Rates below). Place the dispensers in the treatment area by stapling the tab on the dispenser on the north side of the tree or snags where possible to protect the dispensers from direct sunlight. Staple only the tab and not the mesh containing the anti-aggregate. Place the dispenser on the tree so that it lays flat against the trunk or object.

Application Rates

Individual Trees: For individual trees and areas 1 acre or less, place 2 dispensers on opposite sides of each tree. For trees larger than 24 inches dbh, place 4 dispensers per tree equidistantly around the bole at a height easy to reach (i.e. 6-8 feet).

Tree stands less than 2 acres: Place dispensers evenly around the perimeter of the treated area. Space the dispensers approximately 15 feet apart. This will result in a dose close to the 30 dispensers/acre.

Tree stands more than 2 acres: Rate of application is 30-40 dispensers per acre. Place the dispensers in a grid pattern about 35-40 feet apart. Dispensers are usually placed on a tree, but if there are breaks in the tree stand, dispensers can be placed on fence posts, snags, shrubs or other objects such as stumps or logs as low as 1-2 feet above the ground to maintain proper spacing for the treatment area. Place at a height that applicators can easily reach (i.e. 6-8 feet)

For best results when using this product, remove and destroy all beetle-infested trees in treatment area before application.

In most cases 40 dispensers/acre (75/hectare) is sufficient, however if it is deemed necessary to increase the number of dispensers, 80 dispensers/acre (250/hectare) is the maximum rate of application per year. Retreat each year when Douglas-fir beetle infestations are likely.

Because there are many considerations when using this product (population densities, proximity, size and rate of growth of an infestation, stand age and compositions, elevation, climate, local weather) inexperienced users are advised to consult a professional forest entomologist or their State Forestry Agency for guidance. Monitor for infestations by visual inspection of the tree trunks.

STORAGE AND DISPOSAL:

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

PESICIDE STORAGE: Store in sealed containers in a cool dry place.

PESTICIDE DISPOSAL: Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Plastic or paper foil bag: Non-refillable container. Do not refill or reuse this container. Completely empty bag. Then dispose of empty bag in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned stay out of smoke. Do not reuse empty bag.

Expiration date

Not for sale or use after _____ **(9 months after manufacturing date)**

WARRANTY AND LIMITATION OF DAMAGES

Hercon Environmental warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the Directions for Use under normal conditions of use to the extent consistent with applicable law. Hercon neither makes, nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, expressed or implied concerning this material except as stated above. This warranty does not extend to the use of this product contrary to the label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Hercon Environmental to the extent consistent with applicable law. To the extent consistent with applicable law, Buyer’s exclusive remedy for defective product shall be the replacement of the product, refund of the purchase price. To the extent consistent with applicable law, Hercon’s maximum liability for breach of this warranty shall not exceed the purchase price of this product. In no case will Hercon be liable for incidental, consequential or special damages resulting from handling, storage, use, misuse or abuse of this product.

Made in the USA by:

Aberdeen Road Company d/b/a

HERCON ENVIRONMENTAL

P.O. Box 435

Emigsville, PA 17318-0435

EPA Reg. No. 8730-IG

EPA Est. No. 8730-PA-01

Questions? Call Toll-Free: 1-866-4-HERCON

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REV 09092016

List of Claims – revised 09092016

- Disrupt MCH Hand Applied (HA) will reduce the amount of Douglas fir beetle attacks on susceptible host trees.
- Disrupt MCH Hand Applied (HA) is a controlled released pheromone dispenser
- Protects your Douglas-Fir trees.
- Effective repellent for the control of Douglas-Fir Beetle.
- Anti-aggregation Pheromone.
- Releases pheromone during the entire beetle flight & is cost effective.
- Works by using the beetle's own pheromone against itself.
- Pheromone application can help to prevent the build-up of fatally damaging beetle population concentrations on high value trees and in important forested areas.
- Provide a controlled-release of the pheromone used by Douglas fir bark beetles to signal others of the species to avoid trees or forest areas already occupied by high beetle populations.
- These products function as an anti-aggregant signaling “No Vacancy” to invading bark beetles seeking suitable host trees to infest, thereby causing them to avoid the treated trees or tree stands.