

8730-68

1-15-2008

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division
(7511P)
1200 Pennsylvania Avenue NW
Washington, DC 20460

EPA Reg. Number:
8730-68

Date of Issuance:
1/15/08

Unconditional

Term of Issuance:

Name of Pesticide Product:

**Hercon Disrupt Micro-Flake
VBN**

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

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/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his 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 this 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 Sec. 3(c)(5) provided you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Revise the EPA Registration Number to read, "EPA Reg. No. ⁸⁷³⁰⁻⁶⁸⁰³~~870-68~~."
3. Submit three (3) copies of the revised final printed labeling before you release the product for shipment.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

W. Michael McDavit

Michael McDavit, Associate Director,
Biopesticides and Pollution Prevention Division

Date:

1-15-08

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HERCON®
DISRUPT MICRO-FLAKE® VBN
BARK BEETLE ANTI-AGREGGATION

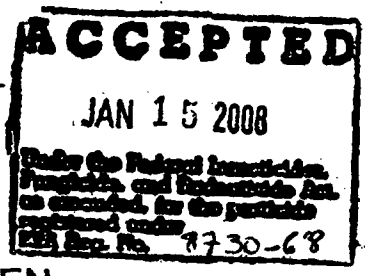
HERCON DISRUPT MICRO-FLAKE® VBN a controlled-release pheromone formulation designed to lower incidence of certain bark beetle attacks on tree stands. Apply using modified equipment for aerial and ground applications.

ACTIVE INGREDIENT:

4,6,6-trimethyl-bicyclo (3.1.1) hept-3-en-2-one..... 15.33 %*

OTHER INGREDIENTS 84.67 %

TOTAL 100.00 %



CONTENTS:

MINIMUM NET WEIGHT: 10.0 KG[22 lb]*
* 10 kg [22 lb] of product will treat 10.5 acres at 150 g A.I./acre

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

C U I D A D O

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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact the National Pesticide Telecommunications Network at 1-800-858-7378 for emergency medical treatment information. Hours of operation are seven days a week 6:30 am to 4:30 pm PST.

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye and skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes and clothing. Avoid breathing vapor. Wear protective eyewear and chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating drinking chewing gum or using tobacco. Remove contaminated clothing and wash before reuse.

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 wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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, Spray valves must be shut off when passing over surface water not under the forest canopy. 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.

Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulations.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE) and the restricted entry interval and notification to workers (as applicable). Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected workers handler may be in the area during application. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow any worker entry into treated areas during the restricted-entry interval (REI of 4 hours). For early entry into treated areas that is permitted under the Workers Protection Standard and that involves contact with anything that has been treated, such as plants, soil, water, wear: coveralls, chemical resistant gloves, shoes plus socks and protective eyewear.

APPLICATION: This product is an effective management tool for certain bark beetles on pine. Verbenone is an anti-aggregation pheromone that when applied in the Micro-Flake form can result in protecting susceptible host trees. Use on tree stands containing lodgepole pine (*Pinus contorta*), ponderosa pine (*P. ponderosa*), whitebark pine (*P. albicaulis*), loblolly pine and other pines that are hosts to certain bark beetles such as mountain pine beetle (*Dendroctonus ponderosae*), red turpentine beetle (*D. valens*), Western Pine beetle (*Dendroctonus brevicomis*), and three ambrosia beetle species (*Xylosandrus compactus*, *X. crassiusculus* and *X. saxoseni*).

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Tree Stands: Apply 150 to 500 gm of active ingredient (1 kg to 3.33 kg of product) per acre with one application per season. Use in areas such as forest; suburban, municipal and shade tree area, recreational area such as campgrounds, golf courses, parks and parkways; ornamental, shade tree forest plantings; shelter belts and rights of way and other easements. **To ensure proper rate and method of application, make application by or under the supervision of a qualified person.**

Individual Trees: Using a Hercon approved modified hydroseeder or blower, spray individual trees to a height of 7 meters with a mixture that includes an inert sticker such as MICRO-TAC®, DISRUPT MICRO-FLAKE® VBN, a thickener such as MICRO-THIC and water to hold flakes on the tree trunk and other plant parts. Apply individual trees once per season with 150-500 gm of verbenone (1000-3300 gm of product).

METHOD OF APPLICATION: Do not open pouches until ready to use. Do not use **Disrupt Micro-Flake VBN** from damaged, punctured or unsealed bags. Apply this product only by using the Hercon approved modified ground or aerial equipment. Four pieces of equipment are suitable for this application: Modified hydroseeder, or a blower such as the ARENA TURBO-TAC for ground applications and the Hercon pods for fixed winged aircraft and fertilizer spreader for both fixed winged and helicopter aircraft. Do not allow drift from application site to contact non-target crops.

Monitor for infestations using the Lindgren Funnel Trap and appropriate beetle attractants.

Ground equipment: Use an approved sticker such as MICRO-TAC at 4-48 fl. oz per acre when treating individual trees to ensure product remains on the trunk of the tree and other plant parts using a modified hydroseeder or blower. Spray 7 meters up into the tree and on the trunk of the tree to protect individual trees. When treating small forested areas or campgrounds use the modified blower to broadcast flakes without sticker.

Aerial Equipment: Place the DISRUPT Micro-Flake VBN in the appropriate hoppers mounted on the plane or helicopter. Spray DISRUPT Micro-Flake VBN into the tree canopy allowing the product to fall down and through the top of the trees. DISRUPT Micro-Flake VBN can be applied with or without the sticker depending on the area and stand classification.

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 bag: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke. Cardboard Box: Dispose of outside cardboard box in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke. Metal drums: Offer for recycling or reconditioning, or dispose of in sanitary landfill, or by other procedures approved by state and local authorities as long as none of the bags containing product have broken while in the drum. If bags have broken, triple rinse the drum and then offer for recycling or reconditioning, or dispose of in sanitary landfill.

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 allowed by state 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. If this product is defective, Buyer's exclusive remedy shall be the replacement of the product, or if replacement is impracticable as determined by Hercon, refund of the purchase price. To the extent allowable by 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
HERCON ENVIRONMENTAL
Emigsville, PA 17318-0435

EPA Reg. No. 8730-AI EPA Est. No. 8730-PA-01

Questions? Call 1-866-4-HERCON

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