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61260-1

1 of 6

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 61260-1	DATE OF ISSUANCE 1/9/89
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Menthol	

**NOTICE OF PESTICIDE:**  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

The American Honey Producers Association  
 c/o Mr. Robert M. Bor  
 Bishop, Cook, Purcell & Reynolds  
 1400 L Street NW.  
 Washington, DC 20005

18/18      234,506

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 conditionally registered in accordance with FIFRA section 3(c)(7)(A) and (B) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on honey bee hives is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1 and ends September 30. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information should be submitted to:

Registration Support Branch  
 Registration Division (TS-767C)  
 Environmental Protection Agency  
 Washington, DC 20460

3. Make the labeling changes listed below before you release the product for shipment. Refer to the enclosed label format for the proper placement of the required labeling.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
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- a. Add the phrase "EPA Registration No. 61260-1."
- b. Change the signal word "CAUTION" to "DANGER."
- c. The signal word must appear on the front panel and on the side panel immediately under the "Precautionary Statements, Hazards to Humans and Domestic Animals" heading.
- d. The "Keep Out of Reach of Children" phrase must appear on the front panel immediately above the signal word. Refer to item 7 on the enclosed labeling summary sheet for the minimum type size requirements for the front panel precautionary statements.
- e. The misuse statement must appear immediately under the "Directions for Use" heading.
- f. The storage and disposal instructions must appear under the "Directions for Use" section. These instructions can either appear immediately under the misuse statement or at the end of the Directions for Use section.
- g. Revise the Precautionary Statements to read:

Causes irreversible eye damage. Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles and chemical-resistant gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

- h. Revise the label ingredient statement to read:

<b>Active Ingredient:</b>	
Menthol . . . . .	99.94%
Inert Ingredient: . . . . .	<u>.06%</u>
	100.00%

4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

5. Submit the following additional product chemistry information for the subject product within 6 months from the date of this Registration Notice.

- Series 61 - Product Identity and Composition

- o A description of the physical conditions (i.e., temperature, pressure) must be provided for the catalytic process.
- o A description of the mild reaction that the 99.2 percent dl-menthol undergoes must be provided.

- o The name of the solvent that the 99.4 percent dl-menthol is mixed with when crystallisation under vacuum occurs must be provided.
- o The term wildly reacted to return the d- and l-menthols to their original form must be described.

6. Submit the following additional product chemistry information within 12 months from the date of this Registration Notice.

- Series 62 - Analysis and Certification of Product Ingredients

An analytical method is needed to verify the certified limits of the active ingredient, i.e., quantitatively determine the level of l-menthol in the product.

- o Submit a complete detailed description of an analytical method or reference to a validated, published method is needed. Also Also, a statement of the precision and accuracy of the analytical method is needed [See Product Chemistry Guidelines, section 62-1(b), (c), and (d)].
- o Submit a preliminary analysis of five or more samples of the product.

7. Submit the following additional information on the stability of the subject product within 15 months of the date of this Registration Notice.

- o Additional information on stability (63-13) to include a discussion of the sensitivity of l-menthol to metal ions and metal must be provided. The stability at elevated temperatures and the sensitivity of l-menthol to sunlight are also needed.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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



William H. Miller  
 Product Manager (16)  
 Insecticide-Rodenticide Branch  
 Registration Division (TS-767C)

Enclosures

PM16

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U.S. DEPARTMENT OF AGRICULTURE  
NATIONAL CENTER  
FOR HONEY BEE RESEARCH  
in EPA Letter # 1000

JAN 09 1989

PROPOSED LABEL

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
Menthol is registered for the pest control  
indicated for the pesticide  
registered under EPA Reg. No.

MENTHOL

61260-1

FOR USE IN OVER-WINTERING HONEY BEE HIVES  
FOR THE CONTROL OF TRACHEAL MITE

Packed and Distributed by \_\_\_\_\_  
Under License from The American Honey Producers Association,  
Box 368, Bruce, South Dakota 57220

Active Ingredient: Menthol - 99.94%

Net Contents:

EPA Registration Number:

EPA Est. No.

DIRECTIONS FOR USE

Treat each over-wintering hive with 1.8 ounces (50 grams) of menthol during the period late August to early December when there is no surplus honey flow and daytime temperatures are expected to reach at least 60 degrees Fahrenheit.

Menthol should be enclosed in approximately a 7 inch square plastic screening or similar porous packet placed on the top bars or on the bottom board of the over-wintering hive. Menthol placed on the top bars is the preferred method of treatment at temperatures below a daytime high of 80 degrees Fahrenheit. If daytime high is above 80 degrees Fahrenheit, place the menthol packet on the bottom board. Replace the packets in the over-wintering hive with fresh packets as needed to maintain menthol in the hive.

Ten to twelve weeks after the initial treatment remove all menthol packets from the hive. Do not use menthol during surplus honey flow periods. Remove all menthol packets from hives at least 1 month before the beginning of the surplus honey flow to prevent contamination of marketable honey.

If colonies are treated during the honey flow, the bees may be repelled from the bee hive and honey production reduced.

The use of menthol in areas where there is no stop in brood production may result in a reduction in honey production.

Proposed Label Continued:

**CAUTION**

**KEEP OUT OF REACH OF CHILDREN**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful if swallowed -- could be lethal. Causes eye irritation by contact and high concentration of vapor. Avoid breathing vapors and contact with skin and clothing. Wear goggles and chemical-resistant gloves when handling this product. When opening treated hive, allow accumulated vapors to vent before working hive.

**STATEMENT  
PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Do not give anything by mouth or induce vomiting to an unconscious person.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated.

**IF ON SKIN:** Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists.

**IF IN EYES:** Flush eyes with plenty of water for 15 minutes. Call a physician immediately.

This label must be in the possession of the user at the time of the pesticide application.

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

Proposed Label Continued:

#### STORAGE AND DISPOSAL

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

**STORAGE:** Keep container tightly closed. Store in original container. Keep cool in storage.

Paper and Plastic Bags: 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.

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Worker Safety Reentry Interval: The reentry time is zero, but when opening treated hive, allow accumulated vapors to vent before working hive.

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (FS 767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.  
61200-7

DATE OF ISSUANCE  
1/9/89

NOTICE OF PESTICIDE:

REGISTERED  
 REREGISTERED

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

NAME AND ADDRESS OF REGISTRANT (Include ZIP Code)

18/10  
234,506

**NOTE:** Changes in labeling for the active ingredient or from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label for the product. In any correspondence on the product always refer to the above U.S. 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.

A copy of the label has been placed in connection with this Registration/Reregistration and returned herewith.

Registration is not a guarantee of safety, an endorsement or approval of the 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 does not confer trademark status on the registrant or right to exclusive use of the name of the product if available or used by others.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

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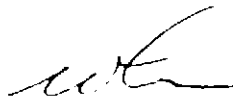
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William H. Miller  
Product Manager (16)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

PROPOSED LABEL

MENTHOL

09 1989  
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FOR THE CONTROL OF TRACHEAL MITE

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Net Contents:

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**CAUTION**

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