

# APIGUARD

For treatment of varroaosis due to *Varroa destructor* in honeybees.

**Active Ingredient:**

Thymol (CAS # 89-83-8) .....	25%
Other Ingredients .....	75%
Total:	100%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

FIRST AID	
If In Eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If Swallowed	<ul style="list-style-type: none"> <li>• Call poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
In On Skin Or Clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If Inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER - CHEMTREC (800) 424-9300</b> (24 hours)	
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
<i>See side/back panels for additional precautionary statements</i>	

EPA Reg No. 79761-R

Net Contents:

EPA Establishment No. \_\_\_\_\_

Manufactured By:  
**VITA (EUROPE) LIMITED**  
 c/o Landis International, Inc.  
 P.O. Box 5126  
 Valdosta, GA 31603-5126

ACCEPTED

DEC 30 2005

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 79671-1

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

Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Wear chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses. This product is toxic to aquatic invertebrates. Do not apply directly to water, areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, spill or store near heat or open flame. Do not store above 86°F.

**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, 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), 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 handlers may be in the area during application.

**Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.**

For early entry into treated areas that is permitted under the Worker 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.

**DIRECTIONS FOR USE**

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

**READ ENTIRE LABEL, USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in a way that will contact workers or other persons. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**GENERAL INFORMATION**

**Failure to follow directions and precautions on this label may result in poor insect control, and/or illegal residues.**

APIGUARD is a product specifically designed for use in beehives. The unique slow release gel matrix formulation and easy-to-use tray ensures correct dosage of the active ingredient thymol. APIGUARD gel regulates the liberation of thymol within the honeybee colony. APIGUARD has no harmful effect on the honeybee colony, neither on brood nor on adults, when used according to directions.

**For best results:**

- Do not treat during honey flow.
- Do not use the product when the maximum daily temperature is lower than 60°F or when the colony activity is very low.
- Do not use the product when the maximum daily temperature is above 105°F.
- Leave the product in the colony until the trays are empty. In any case remove the product when installing the supers on the colony.
- Combine weak colonies before treatment.
- Make sure the workers can access the tray.

**APPLICATION PROCEDURES**

**METHOD OF ADMINISTRATION:**

**FOR 3 kg TUBS:**

Open the hive. Place a piece of wax sheet, cardboard or plastic sheet (approximately 4" x 4") centrally on top of the brood frames as a treatment tray. Using the dosing tools (scoop and spatula), apply the first dose of 50 g gel from the tub onto the tray. Ensure the scoop is full and level off the excess with the spatula. Use the spatula to scrape the gel to an even thickness over the tray area with the spatula. Ensure that there is a free space of at least ¼ inch between the top of the tray and the hive cover board, for example, by placing an empty super on top of the brood box. Close the hive. After two weeks apply the second dose of 50 g gel following the same procedure. Leave the product in the colony until it totally disappears from the tray or until the supers are installed, whichever is sooner. Small and wintering bee colonies and nuclei requires one dose of 25 g gel only, left in place until the product disappears from the tray. Dose out 50 g onto the treatment tray as before and cut in half.

The efficacy of APIGUARD is maximized if the product is used in late summer after the honey harvest (when the amount of brood present is diminishing). However, in the case of severe infestations, APIGUARD can also be used during springtime, when temperatures are above 60°F. Efficacy will vary between colonies due to the nature of the application. Therefore, APIGUARD should be used as one treatment among others within an Integrated Pest Management program, and mite fall regularly monitored. If further significant mite fall is observed during the

**AFIGUARD**

following winter or spring, use an additional secondary winter or spring treatment for varroa.

**FOR 50 g READY TO USE ALUMINUM TRAYS:**

Open the hive. Peel back the foil lid of the AFIGUARD tray leaving one corner of the lid attached to the tray. Place the open tray centrally on top of the brood frames, gel side up. Ensure that there is a free space of at least ¼ inch between the top of the tray and the hive cover board, for example, by placing an empty super on top of the brood box. Close the hive. After two weeks replace the first tray with a new one, according to the same instruction. Leave the product in the colony until the tray is empty. Remove the product when installing the supers on the colony.

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**Overdose:**

The use of a dose higher than 50 g gel per application, corresponding to 12.5 g thymol, could cause disturbances in the behavior of the colony (agitation, absconding or increased mortality). In case of overdose, remove the excess product from the colony.

**Withdrawal Period:**

Honey: 0 days. Do not use during honey flow.

**STORAGE AND DISPOSAL**  
Do not contaminate water, food or feed by storage or disposal.  
**Pesticide Storage:** Do not store above 86°F. Do not freeze. Keep unopened in original packaging. Protect from direct sunlight.  
**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.  
**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by State and local authorities.

**CONDITIONS OF SALE**

VITA (EUROPE) LIMITED, warrants that this product in its unopened package conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions to the crops specified. There are no other warranties, expressed or implied, concerning the use of this product other than indicated on the label. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions or conditions not reasonably foreseeable to seller, and buyer assumes all risk of any such use.