APIGUARD®

1.76oz (50g) gel

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

KEEP OUT OF REACH OF CHILDREN
DANGER

See leaflet inside the box for entire label, precautionary statements and directions before use.

Do not treat during honeyflow
Do not store above 86°F.
Do not freeze.

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

Manufactured For:
Vita (Europe) Limited
c/o Landis International, Inc. P.O. Box 5126,
Valdosta, GA 31603

EPA Reg. No. 79671-1  EPA Establishment No. 083118-GBR-001
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, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and handlers must wear:
• long-sleeved shirt and long pants
• socks and shoes
• chemical resistant gloves
• protective eyewear (goggles, face shield, or safety glasses)

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

USER SAFETY RECOMMENDATIONS

Users Should:
• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
• 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. 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 or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

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

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 requirement specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

READ ENTIRE LABEL, USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.
Additional secondary winter or spring treatment for varroa. If further significant mite fall is observed during the following winter or spring, use an within an Integrated Pest Management program, and mite fall regularly monitored. Therefore, APIGUARD should be used as one treatment among others temperatures are above 60°F. Efficacy will vary between colonies due to the nature of the case of severe infestations, APIGUARD can also be used during springtime, when the honey harvest (when the amount of brood present is diminishing). However, in

APPLICATION PROCEDURES:

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

METHOD OF ADMINISTRATION:

Open the hive. Place a piece of wax sheet, cardboard, or paper (approximately 4” x 4”), or the provided dosing tray, centrally on top of the brood frames. Stir [product] well before each use. Remove the dosing syringe from its sealed packaging. Insert the syringe into the gel matrix and release the air. Slowly pull the plunger back on the syringe to draw up 51ml (equivalent to 1.76 oz/50g) of Apiguard gel. Apply the syringe from gel. Gently push the plunger downward to release the gel within the syringe onto the dosing tray. 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 use the product when the maximum daily temperature is below 60°F or when the colony activity is very low.

• Do not use the product when the maximum daily temperature is above 105°F.

• Do not use the product on a colony with more than 75% of the capped brood.

• Make sure the worker bees can access the tray.

Restrictions:

• Do not treat during honey flow.

• Leave the product in the colony until the trays are empty. In any case, remove the product when installing the supers on the colony.

• Remove surplus honey supers before applying treatment.

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

APPLICATION PROCEDURES:

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 infestation, 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 within an Integrated Pest Management program, and mite fall regularly monitored. If further significant mite fall is observed during the following winter or spring, use an additional secondary winter or spring treatment for varroa.

The use of a dose higher than 51ml (equivalent to 1.76 oz/50g) of Apiguard gel per application, corresponding to 0.44oz (12.5g) to 25-26 ml (approximately 0.88 oz/25g) Apiguard gel (depending on the colony or nucleus size), left in place until the product disappears from the tray. Use the dosing syrup as described above to administer the required dose of Apiguard gel. Small and wintering bee colonies and nuclei require only one dose of 12-13 ml (approximately 0.44 oz/12.5g) to 25-26 ml (approximately 0.88 oz/25g) Apiguard gel. At temperatures above 77°F, a lower dosage of 25-26 ml (approximately 0.88 oz/25g) Apiguard gel can be used effectively. At these higher temperatures, only one application of 25-26 ml (approximately 0.88 oz/25g) should be applied at one time. Repeat dose applications may be applied at intervals of 1-2 weeks, as needed for up to 4 applications of 25-26ml (approximately 0.88 oz/25g) where mite infestations persist. Removal of remaining Apiguard gel from the hive before supers are replaced is necessary. Do not treat during honey flow. Use the dosing syrup as described above to administer the required dose of Apiguard gel. Withdrawal Period:

• Surplus honey supers can be installed immediately after the end of treatment and removal of the Apiguard product.

• Honey may be harvested immediately upon accumulation of sufficient surplus in the up.

• 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: Do not use during honey flow. Pesticide Storage:

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Do not contaminate water, food or feed by storage or disposal. Pesticide Storage:
**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

For the treatment of varroosis due to *Varroa destructor* in honeybees

**Active Ingredient:**

Thymol (CAS # 89-83-8) 25%

**Other Ingredients:** 75%

**Total:** 100%

Net Contents: 6.6lbs (3kg) APIGUARD gel

**FIRST AID**

**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 center or doctor for further treatment advice.

**If Swallowed**

- Call a poison control center or doctor for treatment advice.
- Do not induce vomiting unless told to do so by poison control center or doctor.
- Have person sip a glass of water if able to swallow.
- 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 center or doctor for further treatment advice.

**If Inhaled**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

You may also contact CHEMTREC at 800-424-9300 for emergency medical information (24 hrs).

**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, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and handlers must wear:

- long-sleeved shirt and long pants
- socks and shoes
- chemical resistant gloves
- protective eyewear (goggles, face shield, or safety glasses)

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.

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

**APIGUARD®** is a registered trademark of Vita (Europe) Limited, Basingstoke, UK
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 or rinsate.

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

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 requirement specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

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

GENERAL INFORMATION
Failure to follow directions and precautions on this label may result in poor mite 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 dosing syringe 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 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.
- Combine weak colonies before treatment.
- Make sure the worker bees can access the tray.

Restrictions:
- Do not treat during honey flow.
- Leave the product in the colony until the trays are empty. In any case remove the product when installing the supers on the colony.
- Remove surplus honey supers before applying treatment.
- Do not enter or allow personnel entry into treated areas during the restricted-entry interval (REI) of 48 hours.

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

USER SAFETY RECOMMENDATIONS
Users Should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

Users Should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

Restrictions:
- Do not treat during honey flow.
- Leave the product in the colony until the trays are empty. In any case remove the product when installing the supers on the colony.
- Remove surplus honey supers before applying treatment.
- Do not enter or allow personnel entry into treated areas during the restricted-entry interval (REI) of 48 hours.

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For best results:
- 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.
- Combine weak colonies before treatment.
- Make sure the worker bees can access the tray.

Restrictions:
- Do not treat during honey flow.
- Leave the product in the colony until the trays are empty. In any case remove the product when installing the supers on the colony.
- Remove surplus honey supers before applying treatment.
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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 following winter or spring, use an additional secondary winter or spring treatment for varroa.

For best results:
- 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.
METHOD OF ADMINISTRATION:
Open the hive. Place a piece of wax sheet, cardboard or plastic sheet (approximately 4” x 4”), or the provided dosing tray, centrally on top of the brood frames. Stir [product] well before each use. Remove the dosing syringe from its sealed packaging. Insert the syringe nozzle fully into the gel, ensuring no air is drawn into the syringe. Slowly pull the plunger back on the syringe to draw up 51ml (equivalent to 1.76 oz/50g) of Apiguard gel. Remove the syringe from the gel. Gently push the plunger downwards to release the gel within the syringe onto the dosing tray. Flatten out the gel with a hive tool, if necessary. Ensure that there is a free space of at least 1/4 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 51ml (equivalent to 1.76 oz/50g) Apiguard gel following the same procedure. Leave the product in the colony for a further 2 to 4 weeks until it totally disappears from the tray or until supers are installed, whichever is sooner. Total treatment period should be a minimum of 4 weeks and a maximum of 6 weeks.

At temperatures above 77°F, a lower dosage of 25-26 ml (approximately 0.88 oz/25g) Apiguard gel can be used effectively. At these higher temperatures, only one application of 25-26ml (approximately 0.88 oz/25g) should be applied at any one time. Repeat dose applications may be applied at intervals of 1-2 weeks, as needed for up to 4 applications of 25-26ml (approximately 0.88 oz/25g) where mite infestations persist. Remove any remaining Apiguard gel from the hive before successive applications. Use the dosing syringe as described above to administer the required dose of Apiguard gel.

Small and wintering bee colonies and nuclei require only one dose of 12-13 ml (approximately 0.44 oz/12.5g) to 25-26 ml (approximately 0.88 oz/25g) Apiguard gel (depending on the colony or nucleus size), left in place until the product disappears from the tray. Use the dosing syringe as described above to administer the required dose of Apiguard gel.

Overdose: The use of a dose higher than 51ml (equivalent to 1.76 oz/50g) of Apiguard gel per application, corresponding to 0.44oz (12.5g) 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:
• Surplus honey supers can be installed immediately after the end of treatment and removal of the APIGUARD product.
• Honey may be harvested immediately upon accumulation of sufficient surplus in the supers.
• 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 Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by State and local authorities.

WARRANTY AND DISCLAIMER STATEMENT
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.

Batch No. & Expiry Date: See side/underside of tub.
<table>
<thead>
<tr>
<th>FIRST AID</th>
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| **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 center or doctor for further treatment advice. |
| **If Swallowed** | • Call a poison control center or doctor for treatment advice. 
• Do not induce vomiting unless told to do so by poison control center or doctor. 
• Have person sip a glass of water if able to swallow. 
• 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 center or doctor for further treatment advice. |
| **If Inhaled** | • Move person to fresh air. 
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. 
• Call a poison control center or doctor for treatment advice. |

**HOT LINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact CHEMTREC at 800-424-9300 for emergency medical information (24 hours).

See leaflet inside the box for entire label, precautionary statements and directions before use.

Net Contents: 1.1lbs. (500g)  
[10 Trays with 1.76oz. (50g) per tray]

© APIGUARD is a registered trademark of Vita (Europe) Limited, Basingstoke, UK

Manufactured For:  
VITA (EUROPE) LIMITED  
c/o Landis International, Inc.,  
P.O. Box 5126, Valdosta, GA 31603-5126. Ph: 800-526-3471
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, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and handlers must wear:
• Long-sleeved shirt and long pants
• Socks and shoes
• Chemical resistant gloves
• Protective eyewear (goggles, face shield, or safety glasses)

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

USER SAFETY RECOMMENDATIONS
Users Should:
• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
• 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. 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 or rinsate.
PHYSICAL OR CHEMICAL HAZARDS
Do not use, pour, spill or store near heat or open flame. Do not store above 86°F.

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 requirement specific to your State or Tribe, consult the State/ Tribal agency responsible for pesticide regulation.
READ ENTIRE LABEL, USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by State and local authorities.

Batch No. & Expiry Date: See base of carton and lid label
See leaflet inside the box for entire label, precautionary statements and directions before use.
**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, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and handlers must wear:

- long-sleeved shirt and long pants
- socks and shoes
- chemical resistant gloves
- protective eyewear (goggles, face shield, or safety glasses)

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

**FIRST AID**

**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 center or doctor for further treatment advice.

**If Swallowed**

Call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Have person sip a glass of water if able to swallow. 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 center or doctor for further treatment advice.

**If Inhaled**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact CHEMTREC at 800-424-9300 for emergency medical information (24 hours).

**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 or rinsate.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, spill or store near heat or open flame. Do not store above 88°F.

**USER SAFETY RECOMMENDATIONS**

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

**ACTIVE INGREDIENT**

Thymol (CAS # 89-83-8) 25%

**OTHER INGREDIENTS**

75%

**TOTAL**

100%

**PREPARATION**

Thymol (CAS # 89-83-8) 25%

**Other Ingredients**

75%

**TOTAL**

100%

**Net Contents: 1.1lbs. (500g) [10 Trays with 1.76oz. (50g) per tray]**

Manufactured for:

VITA (EUROPE) LIMITED c/o Landis International, Inc. P.O. Box 5126 Valdosta, GA 31603-5126. Phone: 800-526-3471

EPA Reg No. 79671-1 EPA Establishment No. 083118-GBR-001

EPA No. 083118-GBR-001

Net Contents: 1.1lbs. (500g) [10 Trays with 1.76oz. (50g) per tray]

For the treatment of varroosis due to *Varroa destructor* in honeybees.
APIGUARD is a product specifically designed for use in beehives. It is a 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.

GENERAL INFORMATION

The use of a dose higher than 1.76oz (50g) of Apiguard gel per application, where mite infestations persist. Remove any remaining Apiguard gel from the hive before successive applications.

Overdose:
The use of a dose higher than 1.76oz (50g) of Apiguard gel per application, 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.

APPLICATION PROCEDURES

At temperatures above 77°F, a lower dosage consisting of 1/10 of the contents of the tray (half tray = approximately 0.88 oz/25g) can be used effectively. At these higher temperatures, only one application of approximately 0.88 oz/25g (half tray) should be used per hive. If use a half tray, peel back the foil lid of the tray then using strong scissors cut the half tray in half. Place half of the 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 in half. Use the other half of the tray for treating another hive. Repeat dose applications may be applied at intervals of 1-2 weeks, as needed for up to 4 applications of approximately 0.88 oz/25g or 1.76 oz/50g to have any remaining Apiguard gel from the hive before successive applications.

Failure to follow directions and precautions on this label may result in loss of productivity, increased pesticide resistance and in treatment failure. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DIRECTIONS FOR USE

Failure to follow directions and precautions on this label may result in loss of productivity, increased pesticide resistance and in treatment failure. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not store above 86°F. Do not freeze. Keep unopened in original packaging. Protect from direct sunlight.

Pesticide Storage:
Nonrefillable container. Do not reuse or refill this product. Double bag and place in original packaging. Protect from direct sunlight.

Pesticide Disposal:
Surplus Apiguard gel may be applied on the ground under the following conditions: under normal 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. The manufacturer does not extend to the handling or use of this product contrary to label instructions.

Batch No. & Expiry Date:
See base of carton and lid label.

WARRANTY AND DISCLAIMER STATEMENT

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 purpose for which it is intended 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. The manufacturer does not extend to the handling or use of this product contrary to label instructions.

Container Handling:
Nonrefillable container. Do not reuse or refill this product. Double bag and place in original packaging. Protect from direct sunlight.

Pesticide Waste:
Pesticide wastes are acutely hazardous. Improper disposal of excess product and rinse water 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, for guidance.

Pesticide Disposal:
Surplus Apiguard gel may be applied on the ground under the following conditions: under normal 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. The manufacturer does not extend to the handling or use of this product contrary to label instructions.

Pesticide Disposal:
Surplus in the supers.

Surplus honey supers can be installed immediately after the end of treatment and removal of the APIGUARD product.

Withdrawal Period:
Surplus honey supers can be installed immediately after the end of treatment and removal of the APIGUARD product.

Do not use honey flow for recycling, if available, or reconditioning, if appropriate, or puncture and accidentally ingest. Do not bring to landfills, or by other procedures approved by State and local authorities.
APIGUARD®

For the treatment of varroosis 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**

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 poison control center or doctor for treatment advice.

If Swallowed
- Call a poison control center or doctor for treatment advice.
- Do not induce vomiting unless told to do so by poison control center or doctor.
- Have person sip a glass of water if able to swallow.
- 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 poison control center 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, preferably mouth-to-mouth, if possible.
- Call poison control center or doctor for treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

You may also contact CHEMTREC at 800-424-9300 for emergency medical information (24 hrs).

Manufactured For:
VITA (EUROPE) LIMITED,
c/o Landis International, Inc.,
P.O. Box 5126, Valdosta, GA 31603-5126.
Phone: 800-526-3471

EPA Reg No. 79671-1
EPA Establishment No. 083118-GBR-001

See leaflet inside the box for entire label, precautionary statements and directions before use.

Net Contents: 11.02 lbs. (5kg) [200 Sachets x with 0.88 oz. (25g) per Sachet]
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. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and handlers must wear:
- long-sleeved shirt and long pants
- socks and shoes
- chemical resistant gloves
- protective eyewear (goggles, face shield, or safety glasses)

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

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 or rinsate.

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

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 requirement specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

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

USER SAFETY RECOMMENDATIONS
Users Should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

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 Handling: Nonrefillable container. Do not reuse or refill this container. Place empty box in trash or offer for recycling, if available.

See leaflet inside the box for entire label, precautionary statements and directions before use.
©APIGUARD is a registered trademark of Vita (Europe) Limited, Basingstoke, UK

Batch No. & Expiry Date:
See side of case
Active Ingredient: Thymol (CAS # 89-83-9) 25%
Other Ingredients 75%
Total: 100%

KEEP OUT OF REACH OF CHILDREN
DANGER

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 center or doctor for further treatment advice.

If Swallowed
• Call poison control center or doctor for treatment advice.
• Do not induce vomiting unless told to do so by the poison control center or doctor.
• Have person sip a glass of water if able to swallow.
• Do not give anything by mouth to an unconscious person.
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.
• Call a poison control center or doctor for further treatment advice.

If On Skin Or Clothing
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15-20 minutes.
• Call a poison control center or doctor for further treatment advice.

If Inhale
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
• Call poison control center or doctor for treatment advice.

If Inhaled
• 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 center or doctor for further treatment advice.

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. Remove and wash contaminated clothing before reuse.

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. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and handlers must wear:
• long-sleeved shirt and long pants
• socks and shoes
• chemical resistant gloves
• protective eyewear (goggles, face shield, or safety glasses)

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

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 or rinsate.

For the treatment of varroosis due to Varroa destructor in honeybees.

Active Ingredient:
Thymol (CAS # 89-83-9) 25%
Other Ingredients 75%
Total: 100%

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. Remove and wash contaminated clothing before reuse.

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 or rinsate.

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

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 requirement specific to your State or Tribe, consult the State/Tribal agency responsible for pesticide regulation.

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

USER SAFETY RECOMMENDATIONS
Users Should:
• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
• 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.

APICHAIR
For the treatment of varroosis due to Varroa destructor in honeybees.

Active Ingredient:
Thymol (CAS # 89-83-9) 25%
Other Ingredients 75%
Total: 100%
APPLICATION PROCEDURES

APPLICATION PROCEDURES:
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 following winter or spring, use an additional secondary winter or spring treatment for varroa. At temperatures above 77°F, a treatment using 2 x 0.88 oz (25g) or 3 x 0.88 oz (25g) Apiguard can be used effectively. A fourth dose of 0.88 oz (25g) gel can be applied at these temperatures, where mite infestations persist.

METHOD OF ADMINISTRATION:
Open the hive. Place the dosing tray provided (approximately 4” x 4”) centrally on top of the brood frames. Tear open the Apiguard sachet at the tear notch and squeeze out the sachet contents onto the dosing tray or surface. 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 one week replace with a second dose of 0.88 oz (25g) Apiguard gel. One week after the second dose, apply a third dose of 0.88 oz (25g) Apiguard, following the same procedure. Where mite infestations are high, a fourth dose of 0.88 oz (25g) Apiguard can be introduced one to two weeks later. Leave the product in the colony for a further 2 to 4 weeks until it totally disappears from the tray or until supers are installed, whichever is sooner. Total treatment period should be a minimum of 4 weeks and a maximum of 6 weeks. Small and wintering bee colonies and nuclei require one dose of 0.88 oz (25g) gel only, left in place until the product disappears from the tray. At temperatures above 77°F, small or weak colonies can be treated with 0.44 oz (12.5g) Apiguard (half a sachet) only.

Overdose:
The use of a dose higher than 1.76 oz (50g) of Apiguard gel per application, corresponding to 0.44 oz (12.5g) thymol, could cause disturbances in the behavior of the colony (agitation, absconding or increased mortality). At temperatures above 77°F, the dose can be reduced to 0.88 oz (25g) (one sachet) per application. In case of overdose, remove the excess product from the colony.

Withdrawal Period:
• Surplus honey supers can be installed immediately after the end of treatment and removal of the APIGUARD product.
• Honey may be harvested immediately upon accumulation of sufficient surplus in the supers.
• 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 rinseate 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 Handling: Non-refillable container. Do not re-use or refill this container. Place empty sachet in trash or offer for recycling, if available.

WARRANTY AND DISCLAIMER STATEMENT
VITA (EUROPE) LIMITED, warrants that this product in its unpacked 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.

Batch No. & Expiry Date: See crimp seal of sachet.

® APIGUARD is a registered trademark of Vita (Europe) Limited, Basingstoke, UK

4638/10
0.88 oz. (25g)

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

See leaflet inside the box for entire label, precautionary statements and directions before use.
Do not treat during honey flow.
Do not store above 86°F.
Do not freeze.

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

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