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

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**

**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.
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 and 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.
• Do not use on new or previously treated colonies.
• Make sure the worker bees can access the tray.

Restrictions:

• Do not treat during honey flow.
• Leave the product in the colony for at least 2 weeks before harvesting.
• Do not use the product when the maximum daily temperature is above 77°F.

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). The use of a dose higher than 51ml (equivalent to 1.76 oz/50g) of Apiguard gel can be used effectively. At these higher temperatures, only one application of 51ml (equivalent to 1.76 oz/50g) of Apiguard gel 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. Total treatment period should be a minimum of 4 weeks and a maximum of 6 weeks.

APPLICATION PROCEDURE:

Open the hive. Place a piece of wax sheet, cardboard or plastic (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 formulation and gently pull the plunger back on the syringe to draw up 51ml (equivalent to 1.76 oz/50g) of Apiguard gel per application. 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 the mite population decreases and the honey harvest is completed. 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 hives.
• 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.

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 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:

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

Net Contents: 6.6lbs (3kg) APIGUARD gel

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 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).

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

For the treatment of varroosis due to Varroa destructor in honeybees

KEEP OUT OF REACH OF CHILDREN

EPA Hotline: 800-424-9300

4531A/19
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.

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.

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.
**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 51 ml (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 51 ml (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 25-26 ml (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 51 ml (equivalent to 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). 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.
APIGUARD®

For the treatment of varroosis due to Varroa destructor in honeybees

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

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

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

<table>
<thead>
<tr>
<th>If In Eyes</th>
<th>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</td>
</tr>
<tr>
<td></td>
<td>Call a poison control center or doctor for further treatment advice.</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>If Swallowed</th>
<th>Call a poison control center or doctor for treatment advice.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Do not induce vomiting unless told to do so by poison control center or doctor.</td>
</tr>
<tr>
<td></td>
<td>Have person sip a glass of water if able to swallow.</td>
</tr>
<tr>
<td></td>
<td>Do not give anything by mouth to an unconscious person.</td>
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<tr>
<th>If On Skin Or Clothing</th>
<th>Take off contaminated clothing.</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Rinse skin immediately with plenty of water for 15-20 minutes.</td>
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<th>If Inhaled</th>
<th>Move person to fresh air.</th>
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<td></td>
<td>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</td>
</tr>
<tr>
<td></td>
<td>Call a poison control center or doctor for treatment advice.</td>
</tr>
</tbody>
</table>

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]

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

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

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

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.

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.

USER SAFETY RECOMMENDATIONS

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.

For terrestial 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.

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

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.

For terrestial 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.

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. Use this product in a way that will contact workers or other persons, either directly or through drift. Do not contaminate water, food, or feed by storage or disposal. Do not enter treated areas until discharged products have dissipated. Remove surplus honey supers before applying treatment. Do not feed bees in the colony until the trays are empty. In any case of irregular or nonstandard use, contact your State and local authorities.

GENERAL INFORMATION

Failure to follow directions and precautions on this label may result in poor mite control, and/or illegal residues. It is a violation of Federal law to use this product in a manner that is inconsistent with its labeling. Do not apply the product in a way that will contact watercourses or other waters to which bees may have access. The use of a dose higher than 1.76oz (50g) of Apiguard gel per application, or the use of the product beyond the registered 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.

APPLICATION PROCEDURES

The efficacy of Apiguard is maximized if the product is used in late summer and early fall, just before the 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 1.76oz (50g) of Apiguard gel per application, or the use of the product beyond the registered use conditions to the crops specified.

METHOD OF ADMINISTRATION:

Open the hive. Peel back the foil lid of the Apiguard 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 remove the product when installing the supers on the colony.

STORAGE AND DISPOSAL

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

Pesticide Storage:

Do not store above 80°F. Do not freeze. Keep unopened in original packaging. Protect from direct sunlight.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of pesticide wastes 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. Do not use as a source of equivalent material. For disposal of excess pesticide, spray mixture or rinsate, consult your local waste management authority, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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 usually and commonly used 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. 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 supers should be unwrapped immediately upon accumulation of sufficient amount of sucrose on the super.

Do not use honey flow.

Restrictions:

Do not treat during honey flow.

Leaving the product in the colony until the trays are empty. In any case of irregular or nonstandard use, contact your State and local authorities.

Remove surplus honey supers before applying treatment.

Do not feed bees in the colony until the trays are empty. In any case of irregular or nonstandard use, contact your State and local authorities.

Make sure the worker bees can access the tray.

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

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 behavior of the colony (agitation, absconding or increased mortality). In case of overdose, remove the excess product from the colony.
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

Net Contents: 11.02 lbs. (5kg) [200 Sachets x with 0.88 oz. (25g) per Sachet]

<table>
<thead>
<tr>
<th>FIRST AID</th>
</tr>
</thead>
<tbody>
<tr>
<td>If In Eyes</td>
</tr>
<tr>
<td>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</td>
</tr>
<tr>
<td>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</td>
</tr>
<tr>
<td>• Call poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td>If Swallowed</td>
</tr>
<tr>
<td>• Call a poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td>• Do not induce vomiting unless told to do so by poison control center or doctor.</td>
</tr>
<tr>
<td>• Have person sip a glass of water if able to swallow.</td>
</tr>
<tr>
<td>• Do not give anything by mouth to an unconscious person.</td>
</tr>
<tr>
<td>If On Skin Or Clothing</td>
</tr>
<tr>
<td>• Take off contaminated clothing.</td>
</tr>
<tr>
<td>• Rinse skin immediately with plenty of water for 15-20 minutes.</td>
</tr>
<tr>
<td>• Call poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td>If Inhaled</td>
</tr>
<tr>
<td>• Move person to fresh air.</td>
</tr>
<tr>
<td>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</td>
</tr>
<tr>
<td>• Call poison control center or doctor for treatment advice.</td>
</tr>
</tbody>
</table>

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).

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. 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.

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.

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.

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

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Batch No. & Expiry Date:
See side of case

4631B/7
KEEP OUT OF REACH OF CHILDREN
DANGER

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 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.
• Have person sip a glass of water if able to swallow.
• 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 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.

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 runoff.

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 tray ensures correct dosage of the active ingredient thymol. APIGUARD gel regulates the liberation of thymol within 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.
• Do not use the product when the maximum daily temperature is above 77°F.
• Do not use the product when the maximum daily temperature is lower than 60°F or weak colonies can be treated with 0.44 oz (12.5 g) Apiguard (half a sachet) only.

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, neither on brood nor on adults, when used according to directions.

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 (25 g) or 3 x 0.88 oz (25 g) Apiguard can be used effectively. A fourth dose of 0.88 oz (25 g) 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 ½ 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 (25 g) Apiguard gel. One week after the second dose, apply a third dose of 0.88 oz (25 g) Apiguard, following the same procedure. Where mite infestations are high, a fourth dose of 0.88 oz (25 g) 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 (25 g) gel only, left in place until the product disappears below the dosage tray. At temperatures above 77°F, small or weak colonies can be treated with 0.44 oz (12.5 g) Apiguard (half a sachet) only.

Overdose:
The use of a dose higher than 1.76 oz (50 g) of Apiguard gel per application, corresponding to 0.44 oz (12.5 g) 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 1 x 0.88 oz (25 g) (one sachet) per application. In case of overdose, remove the excess product from the colony.

Withholding 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 contain 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.

Container Handling:
Non-refillable container. Do not 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 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 crimp seal of sachet.

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4638/10

2344 4638 Apiguard NA USA 25g sachet leaflet.indd 4-6
20/07/2019 14:42
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.

KEEP OUT OF REACH OF CHILDREN
DANGER
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.

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

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