



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 2, 2021

Lawrence Feller  
Director Global Regulatory Affairs  
Thermacell Repellents, Inc.  
26 Crosby Drive  
Bedford, MA 01720-1402

Subject: Notification per PRN 98-10 – Add product setup additions, marketing statements, and small cartridge label  
Product Name: Thermacell Radius Zone Mosquito Repellent VI  
EPA Registration Number: 71910-11  
Application Date: September 20, 2021  
Decision Number: 578873

Dear Lawrence Feller:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact please contact Elizabeth Andrews at 202-566-2467 or by email at [Andrews.Elizabeth@epa.gov](mailto:Andrews.Elizabeth@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "J. Herrick".

Jacquelyn Herrick, Product Manager 03  
Invertebrate & Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs

{Front Panel and Insert when applicable}

{ [ ] Denotes alternate/optional verbiage; { } Denotes verbiage not printed on market labeling; # = Number }

# Thermacell® Radius Zone Mosquito Repellent VI

ALTERNATE BRAND NAMES: Thermacell Radius Zone Mosquito Repellent, Thermacell Radius Mosquito Repellent v, Thermacell Mosquito Repellent v

{Appropriate marketing verbiage, and additional graphics and/or symbols from "Optional Marketing Statements" section may be added to the front panel}

**Active Ingredient:**

Metofluthrin.....5.50%

**Other Ingredients** ..... 94.50%

Total ..... 100.00%

Contains petroleum distillate

KEEP OUT OF REACH OF CHILDREN

CAUTION

See [side [back] panel] [inside [outside] packaging] [insert] for [First Aid] and [additional] Precautionary Statements<sup>1</sup>

Thermacell Repellents, Inc

[26 Crosby Drive]

Bedford, MA 01730-1402

EPA Reg. No. 71910-11

EPA Est. No. {Determined at time of order}

Net Contents:

[#] [Reusable][Rechargeable] Device

[#<sup>2</sup>] [Thermacell] Refill(s)Net Contents [#<sup>2</sup>] fl oz ([#] ml) [each]

[Total [#] fl oz [#] ml]

[#] [USB Battery Charger]

[#] USB Cable [for charging]

[#] [Travel][storage][case] [pack][bag]

## NOTIFICATION

71910-11

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12/02/2021

<sup>1</sup> {NOTE TO REVIEWER: All of the Thermacell devices use an insert. All outer boxes carry all Precautionary Statements, First Aid and Disposal. Inserts also carry all Precautionary Statements, First Aid and Disposal along with the Front Panel and Directions For Use.}

<sup>2</sup> Device packages contain from 1 to 10 refill cartridges. Cartridge net contents are 0.08 fl oz (2.4 ml) to 0.33 fl oz (9.8 ml) each (See chart at end of label).

*{Side or Bottom Panel of outer box and separate Precautionary – Storage and Disposal Insert}*

**PRECAUTIONARY STATEMENTS  
Hazards To Humans And Domestic Animals**

**CAUTION**

Harmful if swallowed. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**First Aid**

<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give <b>any</b> liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>Hotline Number:</b> Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-866-753-3837, Monday through Friday, 8:30 AM to 4:30 PM EST. After 4:30 PM, call your poison control center.	
<b>Note to Physician:</b> Contains petroleum distillate. Vomiting may cause aspiration pneumonia.	

{Note: The first aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}

**Environmental Hazards**

Do not apply to water.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
[See insert(s) inside box for usage directions.] [Keep packaging [leaflet] for future reference.]

**Storage And Disposal**

Do not contaminate water, food, or feed by storage and disposal of repellent cartridge.

**Pesticide Storage:** Store in a cool, dry place. Keep container tightly closed and away from children and pets. Keep refills out of direct sunlight. **Pesticide Disposal and Container Handling:** Non-refillable cartridge. Do not reuse or refill this cartridge. **If empty:** Place in trash. **If partly filled:** Call your local solid waste agency for disposal instruction. Never place unused product down any indoor or outdoor drain.

[Warranty, Limitation of Liability and Disclaimers:

Thermacell warrants that this product, when used in accordance with this label and all other instructions accompanying this product, complies with the product specifications set forth in this label and the associated instructions. To the extent permitted by applicable law, Thermacell makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. To the extent permitted by applicable law, Thermacell's liability for default, breach or failure of the product to perform in accordance with the product specifications set forth in this label shall be limited to the amount of the purchase price. To the extent permitted by applicable law, Thermacell shall have no liability for incidental or consequential damages resulting from the use or handling of this product.]

[To the extent permitted by applicable law, Thermacell will not be held responsible for damage, injury or product performance issues caused by use of other repellent refills or any other products or components not manufactured or sold by Thermacell.]

{Guarantee statements}:

1. [100%] [Satisfaction] Guarantee [Guaranteed]<sup>3</sup>
2. At Thermacell, we stand behind our products and [their] performance. If you are not completely satisfied with your [Thermacell] purchase, you may return it to us for [(at our option)] repair, replacement, or refund.] [within [#] [days][years] of purchase]
3. [For refunds, requests must be received within [#] days from date of purchase with the original purchase receipt. Any product received later than [#] days from the date of purchase will be replaced or repaired by Thermacell at the company's option.

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[[Marketing Name] [Device] [Refill] made [and] [designed] in [selected from approved list<sup>4</sup> at time or order]]

Thermacell Repellents, Inc  
[26 Crosby Drive]  
Bedford, MA 01730-1402

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<sup>3</sup> Whichever option is chosen is used in connection with statements 2 and/or 3.

<sup>4</sup> USA, Italy, Mexico, China, Thailand

**{Side or Bottom Panel of outer box and separate User Guide insert when applicable}****{NOTES TO REVIEWER:}**

- *{All of the Thermacell devices use an insert. All outer boxes carry all Precautionary Statements, First Aid and Disposal. Inserts also carry all Precautionary Statements, First Aid and Disposal along with the Front Panel and Directions For Use.}*
- *{Numbering items are for document clarity only. Numbered items, as appropriate, may appear in a different order on marketing label.}*
- *{Marketing Statements may be combined into small paragraphs or remain as bullets on marketing label (ie: "Silent" and "Convenient" can be combined to "Silent and Convenient" on the marketing label.")}*
- *{“Device” is interchangeable throughout with repeller, diffuser or other {marketing product name}}*
- *{“Refill”/“Cartridge” is interchangeable throughout with “{marketing name} [repellent] refill, cartridge, pod, etc”. (i.e.: may appear as “cartridge”, “Radius refill” or “Thermacell Repellent Cartridge” on the marketing label) see Marketing Statements for descriptor options}}*
- *{“Wick Cap/Cover” is interchangeable with cover, refill cover, wick cover etc.}*

**{User Guide elements}**

**Device User Guide**  
Thermacell [marketing name]

**IMPORTANT: READ ALL INSTRUCTIONS BEFORE USE**

**ATTENTION:** This product is intended for adult use only. This product is not a toy.

**[INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS]****IMPORTANT SAFETY INFORMATION. READ CAREFULLY BEFORE USE.**

**NOTICE:** This product contains a lithium ion battery which is subject to certain transport restrictions. Inspect the product's packaging prior to transport. Do not transport this product if the component housing the battery is damaged.

When using rechargeable battery operated products, basic precautions should always be taken. To reduce the risk of injury, close supervision is necessary when a product is used near children. **KEEP OUT OF REACH OF CHILDREN**  
DO NOT put fingers, hands, metal or other foreign objects in the product.

Do not remove the battery from the equipment housing. Do not store with battery completely discharged for extended periods of time. Batteries should be charged at least once every 3 months during storage. Battery should be discharged and charged after being stored more than a year to maintain optimal battery capacity. The battery should be stored at room temperature in a dry location and should not be placed, charged or stored in high-temperature locations. Exposure of the battery or device to fire or temperature above 130°C/265°F may cause explosion.

Only use with battery charger supplied in a properly functional electrical outlet. Charging should be performed at a temperature between 40°F and 110°F. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire. Recharge only with the USB charger supplied with the device (5V DC-1000 mA) or with a USB Listed/Certified Class 2 Power unit charger marked 5V DC-1000 mA. [DO NOT use the device during the battery charging process.]

If any leaks, odors, or deformities are noticed in the structure housing the battery, immediately discontinue use and dispose of safely.

Do not expose the device to water or otherwise allow the device to get wet. [Should a battery become ruptured, do not allow contact with water].

[Have servicing performed by a qualified repair person using only identical replacement parts] [to ensure that the safety of the product is maintained]. [Do not modify or attempt to repair the device.] [For service, contact Thermacell.]

[USE ONLY Thermacell [Radius] Refills. Thermacell will not be responsible for damage, injury or poor product performance caused by use of any other refills or unapproved replacement parts in this Thermacell device.]

**SAVE THESE INSTRUCTIONS.**

Welcome [to Thermacell]

1. [Get ready to experience] [You're ready to discover] a new<sup>5</sup> [better] way to repel mosquitoes. Thermacell products create a zone of protection from mosquitoes, without the use of [sprays][ or other topical products] [messy sprays [or] lotions][[or ]candles [and] torches].
2. Thermacell patented technology uses heat to release repellent continuously, providing hours of protection.
3. [Up to][20] ft Protection [Zone] [per [each] repeller]

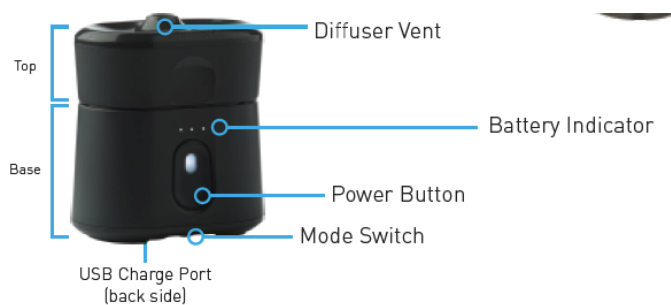
In the Box [Contains] [Included:] {as needed based on pack outs}

1. [X<sup>6</sup>] Thermacell [Radius] [Zone Mosquito] Repeller
2. [Y<sup>7</sup>] Thermacell [Radius] [Zone Mosquito] Repellent [Z<sup>8</sup>] Hour [Refill][cartridge]
3. [#] USB Cable [and power adapter]
4. [#] USB Power Adapter
5. [#] [Thermacell] [marketing name] [cap][cover][case][storage][travel][bag] {accessory to go with device}

*{Product illustration components; as appropriate to the device}*

- |                                   |  |                                 |
|-----------------------------------|--|---------------------------------|
| 1. Repeller                       | 7. Battery [Pack] [door] [cover]         | 17. Device [body]               |
| 2. Top [heater]                   | [compartment]                            | 18. USB Cable [adapter]         |
| 3. Bottom [base]                  | 8. Diffuser [vent]                       | 19. Charging [power] adapter    |
| 4. Mode selector[switch]          | 9. Battery [level][indicator] [light][s] | 20.[ZoneCheck] LED [Light] Ring |
| 5. ON/OFF[start][power] [fuel]    | 10. Battery terminal [contacts]          | 21. Control Panel               |
| [switch][button]                  | 13. [USB] [Charge] Port                  | 22. Globe                       |
| 6. Refill [Repellent] [cartridge] | 14. Repellent reservoir                  | 23. ZoneCheck Indicator         |
| [dock] [compartment] [slot]       | 15. Wick [Refill] [cap] [cover]          |                                 |
|                                   | 16. [no-slip] Feet                       |                                 |

{Example illustration of components}



*{Use instructions; steps and sub-bullets throughout used as appropriate; some bullets may be prefaced with "Tip:"}*

**Device 1**

[Let's get started.]

1. Charge [charging] [the] Repeller

<sup>5</sup> Used for a period of 6 months following approval.

<sup>6</sup> X = number of devices in package from 1 to 10.

<sup>7</sup> Y = number of refill cartridges in package.

<sup>8</sup> Z = number of hours a refill cartridge will last based on net content (See chart at end of label).

- a. Pull back [away] charge port cover and insert [the] USB cable [provided]
  - b. Plug [the] [charger][cable] into a standard [120V wall receptacle] [USB port]
  - c. Fully charge [the repeller] before [the] first use.
  - d. [Fully]Charging [the battery] can take up to [#<sup>9</sup>] hours
  - e. Battery indicator blinks during charging.
  - f. When charge is complete, battery indicator stays on [lit]
  - g. Battery [Level] [Run-time remaining][check]
  - h. The battery indicator [light] displays for 3 seconds when the repeller is turned on.
  - i. [#][color][Light][s]: [-] [>] [#<sup>5</sup>] [+] Hours [minutes] [Fully Charged] [remains][run time]
  - j. Steady White: 3 Hours +
  - k. Steady Yellow: < 3 hours
  - l. Blinking Yellow: < 30 minutes
2. Insert [inserting] a [repellent] cartridge
- a. Remove the [wick] cover from a cartridge [Remove the cap from a refill]
  - b. Insert the refill into the base
  - c. Squeeze the wick cover [as indicated] and lift up to remove.
  - d. Keep the [refill] cap for storage or travel.
  - e. Do not remove the cap until ready to use.
  - f. Keep cartridge upright anytime cap is removed
  - g. Do not touch or remove the wick.
  - h. Prior to transporting, remove the [repellent] cartridge from the repeller and replace wick cover
  - i. Replace empty repellent cartridge when repeller is turned off.
  - j. Open the [mosquito] repeller [and insert cartridge into the [repeller] [base]
  - k. Close the [mosquito] repeller.
  - l. If you use [open] a [Radius] cartridge at high elevation, cartridge contents may be under pressure. [Upon removing the wick cover, repellent may accumulate around the base of the wick.] [If needed, use a paper towel to wipe away any repellent.] [Dispose of paper towel in the trash and wash hands with soap and water].
  - m. Do not expose wick to water. If wick shows any sign of damage, dispose of cartridge immediately in the trash.
3. [[To]Turn on/off] [Using the repeller]
- a. Press the power button [to turn] [ON][OFF].
  - b. Light [ring] will illuminate when turned on.
  - c. To turn off, press [and hold] the power button [for 1 second] [until the light [ring] turn[s] off.]
  - d. Place the repeller in center of area where mosquito protection is desired.
  - e. [Let] Run [repeller] for 15 minutes to [completely] establish the [protection] zone
  - f. Only use outdoors. Do not cover. Keep repeller upright during use.
  - g. For best results, let the mosquito repeller run for 15 minutes
  - h. The power button will flash 3 times if pressed while device is locked, but the mosquito repeller will not turn on.
  - i. If the power button flashes 3 times but does not stay on, the device may be in locked mode. [see instructions to LOCK/UNLOCK repeller].

## Operating Modes

### LOCK [MODE] / [Unlock Repeller]

- LOCK MODE prevents the repeller from being turned on accidentally during transport or storage.
- Press and hold the power button for 5 seconds to activate/deactivate LOCK mode. Light ring will flash to confirm mode change.

<sup>9</sup> Dependent on battery provided. (Example, a 6.5 hr battery takes up to 5-hrs to recharge.)

- [If power button is pressed while in LOCK MODE the light will flash but repeller will not turn on.]

#### AUTO-OFF

- The repeller features an AUTO-OFF timer option, giving you one less thing to remember [to turn off].
- When using the repeller in this mode, it will automatically turn off after 120 minutes [2 hours] of use.
- To activate the AUTO-OFF mode, turn the repeller on and then double click the power button.
- Double click the power button to start the timer.
- The repeller will automatically turn off in 2 hours [120 minutes]
- To cancel the timer, simply turn the repeller off.

#### Useful Tips

1. For best results, place in the center of the area you want to protect from mosquitoes
2. Allow 15 minutes for the full [protection] zone to be established. [Start the device and put in place 15 minutes before using the area]
3. For best results, let the device run for 15 minutes to establish complete protection
4. For optimal protection in larger areas, use multiple repellents spaced [up to] 20 feet apart
5. [Effectiveness can be impacted by wind and air movement]. [On a windy day] Place upwind on a windy day.
6. Avoid exposing open refills [or device(s)] to rain
7. The refill wick will get hot while in use. Always allow to cool before handling.
- 8 Do not attempt to touch, break, or remove the refill wick
9. Only use TheraCell Radius refills in this device
10. Do not use or leave in direct sunlight, rain, or extremely hot or cold conditions
11. Only operate with vent facing upwards.
12. Do not cover the repeller while in use.
13. For outdoor use on patios, decks, unenclosed porches, walkways, around swimming pools and other areas where mosquito protection is desired.
14. RESTRICTION: FOR OUTDOOR USE ONLY. [Do not use indoors.]

#### Maintenance [storage] [travel] [and] [Care]

1. Condensation may build around the top [vent] over time. Turn repeller off and wipe with a dry cloth. Do not use chemicals or abrasives.
2. [Replace cap [on cartridge] and] store in a dry place when not using the repeller.
3. Remove partially used cartridges prior to storing [for extended periods of time].
4. Store in a cool, dry place. Do not leave repeller outside when not in use.
5. [Do not store with battery completely discharged for extended periods of time.] Batteries should be charged at least once every 3 months [during storage]. [Battery should be discharged and charged after being stored more than a year in order to maintain optimal battery capacity].
6. Do not use or leave in direct sunlight or in extremely hot conditions
7. For travel, always remove the repellent cartridge and tightly seal with refill cap.

#### Troubleshooting

1. [The LED light ring around the power button will remain illuminated while the device is in operation]. If the repeller won't turn on [start]:
  - a. Check that the top of the repeller is properly seated on the base. The repeller will not operate if top and bottom are separated [or if battery contacts are obstructed].
  - b. Confirm the repeller is not in LOCK mode. [The repeller will not turn on while in LOCK MODE].
  - c. Charge the battery. The repeller will not turn on if battery is too low.
2. If you are [still] bothered by mosquitoes [after 15 minutes]:
  - A. [Check that] the device is on. Light ring should be illuminated. [see steps above[below]]



- B. [Confirm] a cartridge is inserted and [cartridge] has repellent. [Replace with a new cartridge when the level gets low]
- C. Make sure the wick is not damaged or missing.
- D. Be sure the repeller is [within] 10 ft [radius] from you.
- E. Allow the device to run for up to 15 minutes [undisturbed].
- F. Call or email customer service if you still experience problems using your repeller.

*{Product illustration components; as appropriate to the device}*

- |   |   |
|---|---|
| 1. Repeller   | 13. Wick [Refill] [cap] [cover]         |
| 2. Top [heater]   | 14. [no-slip] Feet                      |
| 3. Bottom [base]  | 15. Device [body]                       |
| 4. Mode selector[switch]                                      | 16. USB Cable [adapter]                 |
| 5. ON/OFF [start][power] [fuel] [switch][button]              | 17. Charging [power] adapter            |
| 6. Refill [Repellent] [cartridge] [dock] [compartment] [slot] | 18.[ZoneCheck][Status] LED [Light] Ring |
| 7. Battery [Pack] [door] [cover] [compartment]                | 19. Control Panel                       |
| 8. Diffuser [vent]  | 20. Light Globe                         |
| 9. Battery [level][indicator] [light][s]                      | 21. [dimmable]Light switch [ring]       |
| 10. Battery terminal [contacts]                               |   |
| 11. [USB] [Charge] Port                                       |   |
| 12. Repellent reservoir                                       |   |

### Getting Started

Your Radius has a rechargeable battery. Prior to first use, fully charge the battery. [It can take up to [X<sup>10</sup>] [minutes][hours] to fully charge. To charge the battery pull back the rubber cover to expose the USB charging port [located on the [back][front] of the repeller]. Insert the charging cable provided with the repeller. The battery indicator is located below the power button. [You can also charge your Radius repeller wirelessly using any Qi wireless charger.][ When the repeller is charging you will hear a beep.]

{Image of battery lights}



- Charging:
- Fully Charged:
- Low Battery (Less than [XX] minutes):
- Battery Too Low to [be Turned On] [operate]: Flashes **illuminates Red**

### Control Panel {Will be Used as needed}

1. Your Radius will [communicate different statuses] [indicate status] through the control panel.
2. Power Button - Turns device on and off.
3. Repellent Cartridge Status – [Don't worry about running out of repellent, the indicator will let you know when you have less than 2 hours left.] [repellent refill presence]
4. [Flashing red][Solid Red] Repellent Cartridge indicator: No Repellent Cartridge present and unit will not turn on


<sup>10</sup> Dependent on battery provided. (Example, a 6.5 hr battery takes up to 5-hrs to recharge.)

5. [Refill Sense][Solid red][Flashing red] Repellent Cartridge indicator: Less than 2 hours of repellent left

6. Timer [mode] - A built in 2 hour timer so you'll never forget to turn it off. The timer icon will illuminate when the timer mode is activated. The repeller will turn off after 2 hours automatically. To enter/exit timer mode, press the power button 2 times in quick succession.


7. [ZoneCheck] [Status Indicator]- A visual communication tool that lets you know the repeller status. [No need to pick up the device or get close to check.]

- Chasing Pattern: Unit is warming up
- Solid Illumination: Unit is up to temp / Actively releasing repellent




- **Charging:** ●●● ○●● ○●●
- **Fully Charged:** ○○○
- **Low Battery (Less than 20 minutes):** ○●●
- **Battery Too Low to be Turned On:** Flashes ☀●●

**Repellent Cartridge Status**




- **Solid red indicator:** No Repellent Cartridge present and unit will not turn on

**Status Indicator - A visual communication tool that lets you know the repeller status. No need to pick up the device or get close to check.**



- **Chasing Pattern:** Unit is warming up



- **Solid Illumination:** Unit is up to temperature/Actively releasing repellent

Inserting a Radius Repellent Cartridge  
{will be used as needed}

1. Remove top from repeller [To remove the top grasp the repeller base with one hand and remove the top with the other.]
2. Remove the cap from a Repellent Cartridge.
3. Insert the Repellent Cartridge into the repeller.
4. Replace the repeller top [taking care not to damage the Repellent Cartridge wick.]
5. The repeller uses magnets to hold the top to the bottom of the device
6. Use only [Radius][Thermacell] Repellent Cartridges
7. Repellent Cartridges are available in multiple sizes



Using your Repeller [Turning on your repeller]  
{Used as applicable}

1. Press the power button to turn on.
2. The repeller will sound with an ascending tone [and the [ZoneCheck][Status]

Indicator will illuminate for 3 seconds when turned on. ][and the battery indicator will illuminate with current battery level]The repeller will then display a chasing pattern of light indicating it is starting to heat up. [Once temperature is reached the ring will stay illuminated.]

3. It can take up to 15 minutes for the Zone to fully establish.
4. To turn off press and hold the power button for 2 seconds: *You will hear a descending chime and all illumination will turn off.*

Place your device

{order is for reference only and we may use all or some}

1. The Radius is best placed in the center of the [desired Zone of repellency.] [area you want to protect]
2. If it is windy, place the repeller upwind of where you are sitting.
3. Only operate with vent facing up.
4. Do not cover repeller while it is in use.
5. *For optimal protection in larger areas, use multiple repellents spaced up to 20 feet apart.*

Care and storage

{order is for reference only and we may use all or some}

1. Occasionally debris or condensation may build up on your Radius device. Simply use a damp paper towel or rag to wipe away any build up.
2. Do not expose the Radius to [extended periods of] rain or submerge in water.
3. Do not expose the Radius to temperatures above 140°F.
4. Store at room temperature in a dry environment when not in use.
5. Do not store with battery completely discharged for extended periods of time. Batteries should be charged at least once every 3 months during storage.

Using the light [function]

{order is for reference only and we may use all or some}

1. The light can be used with or without the repellency function
2. To turn the light on, [touch the ring around the device] [press the light power button]
3. To dim the light hold a finger on the ring [light power button]. [the light will continue to dim as long as you hold a finger on the ring] [The light will then brighten once the dimmest setting is reached]
4. To turn off the light, [touch the ring again.] [Press the light power button]

Questions? We're here to help, [24/7]

1-866-753-3837

service@thermacell.com

Thermacell Repellents, Inc. [26 Crosby Drive], Bedford, MA 01730-1402

[Product][Warranty] [Registration]

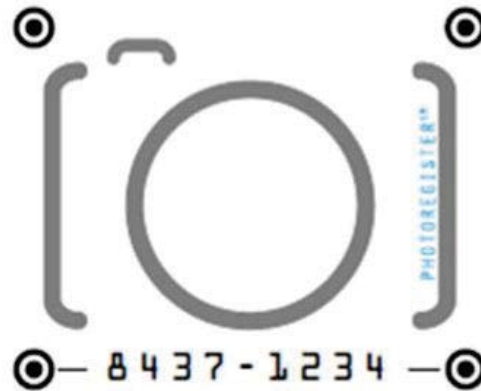
- 1. Register with your smartphone in two easy steps.
- 2. Register today and extend your warranty coverage to # years.

{Thermacell uses a third party to register their products. The third party supplies an image to accomplish this with a specific code in the image as below.}

## REGISTER WITH YOUR SMARTPHONE IN TWO EASY STEPS

**STEP 1:** Take a photo of the camera icon including the (📷)

**STEP 2:** Send it in using one of the methods below:



**SMARTPHONE**  
Text photo to  
71403 (US Only)



**MESSENGER**  
Send photo to  
@Photoregister

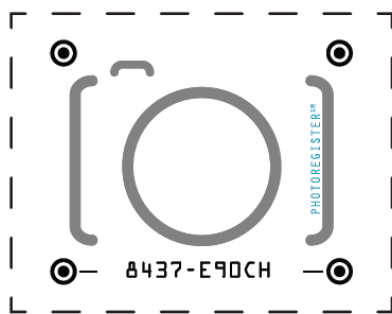


**ONLINE**  
Register online at  
thermacell.photo

Need help? Visit [photoregister.com/help](http://photoregister.com/help) or text HELP to 71403.

**REGISTER TODAY AND EXTEND YOUR WARRANTY COVERAGE TO THREE YEARS.**

- 1 Take a photo of the camera icon.
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## {Marketing statements}

## {Repellency claims}

1. Repels mosquitoes [without spray]
2. Keep[s] mosquitoes away [without spray]
3. Repels [protects against] [biting] mosquitoes, including those that may transmit encephalitis, [Chikungunya] [West Nile Virus], [Eastern equine encephalitis], [Western equine encephalitis], [La Crosse encephalitis], [California encephalitis], [St. Louis encephalitis] and [dengue]
4. Repels mosquitoes that may transmit Zika virus
5. Zone Mosquito Repellent
6. Mosquito [Repellent] [protection] Zone
7. 20 Ft Zone [mosquito protection zone][of mosquito protection]
8. [20][ft]['] [foot] Zone [of Mosquito Protection]
9. [Protects] [provides][creates] a 20ft [315 sq ft] [area of repellency] [Zone [of] Mosquito Protection] [Mosquito Protection Zone]
10. Effective
11. Creates [Provides] a [silent], [scent free] [invisible] [20 ft] area [zone] of protection [against mosquitoes]
12. Provides protection within 15 minutes [of use]
13. ~~[Stop] [Target] mosquitoes in the [flight] [air], not on your skin.~~
14. ~~[Treat the area] [Stop them in the air] not [on] your skin.~~
15. On Demand Mosquito Protection
16. In minutes mosquitoes disappear
17. Starts to work in minutes
18. Zone repellent Technology
19. Activated Repellent forms [a] zone of protection.
20. ~~In minutes, mosquitoes disappear.~~
21. [In minutes] Forms [a] silent, scent free, zone.
22. Works at [any] elevation
23. [One][Product Name] protects your deck or patio, up to a 20' [315 sq ft] zone [area].
24. Place repellents [20 [feet][ft] ['] apart [around the area you want to protect]
25. [To protect larger areas] Use multiple repellents [to form a perimeter of protection]
26. New, more effective formula<sup>11</sup>.
27. Turn it on... Mosquitoes Gone™

## {Promotional statements}

1. [This] [package] contains [#] [product name] device [#] [Z<sup>12</sup> - hour] [repellent refill]
2. Extra [Z<sup>7</sup> hour] refill included
3. Includes [additional][extra] [#] [Z<sup>7</sup>]-hour refill(s)
4. [Z<sup>7</sup>] [hour][value] [bonus] [club] pack
5. [Z<sup>7</sup>] pack protects [#<sup>13</sup>] [sq ft]
6. Bonus [Club] [multi] [travel] [Pro] [Camo] [Hunter] [Hunter's] [Fish][Fishing][Total] [Camp] [Patio] [Z<sup>7</sup>] [Hour[s]] [Value] Pack
7. [#] [USB Battery Charger]
8. [#] USB Cable [for charging]
9. [#] [Travel][storage][case] [pack][bag] [bonus refill] included
10. [#] Pack {for multiple units}

<sup>11</sup> Used for a period of 6 months following approval.

<sup>12</sup> Z = number of hours a refill cartridge will last based on net content. (See chart at end of label)

<sup>13</sup> For large areas requiring protection appliances are set 20 ft apart: multi pack (X) number of appliances x (315 sq ft) each. This marketing information is only for packages containing more than one appliance.

11. Protects [#8] [sq. ft.] [when used together]
12. [Large Area] Pack
13. [#] Total Hour(s) [Pack]

{Education statements}

1. How it [the system] Works
2. When heated, the active ingredient [repellent] is [emitted] [released] [diffused] [into the surrounding area]
3. Activates [Diffuses] [Vaporizes] [repellent] [active ingredient] to produce an invisible [area] [zone] of protection
4. Heat activated repellent [diffuser] [cartridges][technology]
5. [Device] Creates [a] [the] zone of protection
6. Continuously [releases] [diffuses] fresh repellent [to keep mosquitoes away] [to create a zone of protection] [for up to [Z<sup>14</sup>] hours per refill]
7. Battery powered heater [continually][activates] [releases] [diffuses] [heat activated] repellent [to maintain zone of repellent]
8. Activated repellent [keeps mosquitoes away] [creates a mosquito protection zone] [creates and maintains mosquito protection zone] [creates a zone of protection]
9. Thermacell heat-activated repellent technology [continually] creates a [continuous acting] zone of protection from mosquitoes.
10. [Our] [convenient], [long-lasting] cartridges [refills] contain heat activated repellent.
11. [Radius][uses][ repellers use] an advanced [battery-powered] heater to activate and diffuse [disperse] repellent from the cartridges [refill].
12. The repellent spreads [disperses] [diffuses] [out] [into the surrounding area] to create a [area] [zone] of protection
13. [Long life] Cartridge[s] [Refill] holds [stores] [contains] [heat activated] repellent
14. [Rechargeable][li-ion] [lithium ion] Battery Powers [powered] Heater
15. [li-ion] [lithium ion][Powered] Heater [Heat] Activates [diffuses] Repellent [from the cartridge]
16. [In minutes] [Heat Activated] Repellent creates a zone of protection [from mosquitoes]
17. The Radius is an on-demand mosquito repeller. The rechargeable battery powers a heater that diffuses mosquito repellent from the repellent cartridge into the air. Turn it on and within 15 minutes you will be protected from mosquitoes in the surrounding area. When finished using it just turn it off. It's that easy. [No sprays to wash off and no candles to blow out.]
18. [Product name] creates a [20'] zone of mosquito protection. The rechargeable [Li-Ion] battery heats the active ingredient [repellent]. In minutes, the active ingredient [repellent] forms [is created] a silent, scent free zone against mosquitoes.

{Company statements}

1. About Us
2. At Thermacell we believe that the outdoors should be enjoyed with friends and family, not mosquitoes. We invite you to try our innovative solution to mosquito protection. We not only protect you, but those around you without the use of sprays, scents, or candles.
3. Not surprisingly, we believe that fresh air and open spaces should be shared with friends and family...not mosquitoes.
4. Our mission is to liberate people who love the outdoors from the harmful effects of mosquitoes [insects].

{Quick Start information; used as appropriate; may be printed on insert or product tag}

1. Quick Start [Guide]:
2. Keep the cap for Storage or Travel
3. Open [remove][lift][top][press][squeeze] the [latch][release] buttons on the side of the repeller

<sup>14</sup> Z = number of hours a refill cartridge will last based on net content. (See chart at end of label)

4. Charge [the device]
5. [Pinch and twist to][unscrew and] Remove refill cap. ~~[and] Insert refill~~
6. Insert Refill
7. Close [replace][top]
8. Press [power] [ON] [button]

{Non-repellency Claims}

1. No messy repellent on skin
2. [No Mess], no spray[s], [no lotions] [no creams]
- ~~3. Repellent you don't [apply to] [skin] [or clothing] [spray on]~~
4. Say goodbye to sprays [candles][and][torches]
5. Push button simplicity [One button] [simple].
- ~~6. From the makers of [brand/product]~~
7. [The] rechargeable, portable, no spray zone mosquito repellent
8. [Transform] [upgrade] [evolve] [change] the way you fight mosquitoes
9. Ideal for [Backyard] [and][travel] [RV-ing] [backpacking] [hunting] [patio] [backyard] [entertaining] [fishing] [outdoor DIY projects] [boating] [outdoor living] [outdoor adventure] [and] [poolside] [camping][deck][beaches][parties] [gardening] [outdoor entertaining] [campsites] [job sites]
10. Consistent [reliable] operation at any elevation
11. [# %<sup>15</sup>] [of] actual size [shown]
12. Gear Friendly
13. Does not damage plastic
14. Will not Damage Fishing Lines, Plastics or other Synthetic Materials
15. Will not harm gear and equipment [Will not harm plastics and fabric]
16. No Smoke
17. No Mess
18. Our most advanced repellent system. [Breakthrough] backyard mosquito protection [that's effective and hassle free] – [without the use of sprays or professional treatments] A [smart][Advanced] way to keep mosquitoes away [without spray] [without using spray]
19. Scent Free
20. 100% Satisfaction Guaranteed [\*]
21. Mosquito protection just got smarter.
22. Our most advanced mosquito repeller
- ~~23. Powerful. Compact. Smart.~~
24. Intelligent mosquito protection [defense]
25. Bring on summer [nights].
26. Take back your patio.
27. No sprays, lotions, or [smoky][ smelly] candles.
- ~~28. [Nothing][No need [to apply][for anything] on your skin or clothing.~~
- ~~29. Protects without the mess [of candles or torches]~~
30. [Zone] Protection [keeps mosquitoes away] [so they don't get close enough to bother you]
- ~~31. Relax [outside] without strong scents or smells like citronella.~~
32. No Candles, Torches, or Open Flames to worry about.
33. [Our] [the] active ingredient targets mosquitoes in the air, and won't affect [mess with][your gear].
34. [Protects][Great for][Ideal for][Patios][Decks][Poolside][Backyards][Porches] [campsites][fishing][boating][outdoor events]
- ~~35. Stay protected inside the zone.~~
36. Place nearby for the best protection.

<sup>15</sup> This will be indicated when outer package does not show the device in full size. Dependent on package size.



**37. Powerful Rugged Scent Free [Smart] [Long Lasting]**

{Marketing descriptors}

- |                        |                 |  |
|------------------------|-----------------|--|
| 1. Air travel friendly | 8. Convenient   | 14. Rechargeable [E-series]<br>[Line][Series]            |
| 2. Easy to Use         | 9. Silent       | 15. [Lighted] Patio [Tabletop]<br>[Shield][Metal][color] |
| 3. Portable            | 10. Scent-free  | 16. [Outdoor]Venture [adventure]<br>[Line] [series]      |
| 4. Powerful            | 11. Cordless    |  |
| 5. Compact             | 12. Lightweight |  |
| 6. Smart               | 13. One Button  |  |
| 7. Effective           |                 |  |

{Refill statements}

1. repellent refill
2. [Z<sup>16</sup>] hours [of] mosquito protection [per refill].
3. [Z<sup>14</sup>] hour Refill [included]
4. [#] refills [lasting] [Z<sup>14</sup>] hours each, [X<sup>17</sup>] hours total mosquito protection. {i.e.: 2 mosquito repellent refills lasting 12 hours each, 24 hour[s] mosquito protection}
5. [For] [use] [only] [with] [Can be only be used in] [Product Name] device [only][refills]
6. [Refill] Available in Z<sup>14</sup> [and] [to] Z<sup>14</sup> hour [refills] [sizes]
7. [Z<sup>14</sup>] [hour] [fl oz] refill will protect a [315 sq ft] [20'] area for up to [X<sup>15</sup>] hours
8. Can be turned on and off without wasting repellent [as often as you like]
9. Start and Stop as often as needed, [up to [Z<sup>14</sup>] hours per refill]
10. [fully] sealed refill
11. Refill [contains] mosquito repellent
12. Stay protected with refills.
13. Compatible with [All] Radius [Repellers] [Can be used in any Radius Device]
14. Heat activated repellent [cartridges]
15. [Includes] Starter Refill [Included]
16. Refill[s] [available][Included]
17. Compatible with G1, G2, and newer [battery powered] [Radius] [Repellers]
18. Compatible with all radius [liquid] [battery powered] refills.
19. [Z<sup>14</sup>] Hr [Hours] of Protection Included
20. Easy to Use [Refills]
21. Up to [Z<sup>14</sup>] Hours [available] [of run time] [of protection]
22. Convenient Refills
23. Use only with [genuine] Thermacell [radius] [liquid] [battery powered] {electric platform} [rechargeable[platform]] refills.
24. [Refills] Contains our most advanced repellent formula.
25. Powered by [Refills]

*{Product claims as appropriate to device}*

1. [built-in] Rechargeable [Lithium ion] [Li-ion] [Battery] [low voltage] [powered] [operated]
2. Battery indicator lights tells you when it's time to recharge [how much [battery] [run time] [is left]]
3. [USB] rechargeable
4. Battery [charges in] [lasts for] [#<sup>16</sup>] hours [under normal use]
5. Includes [[Z<sup>14</sup>] hour] [refill] [USB charging cable] [and] [wall adapter]
6. [#<sup>18</sup>] [+] [run time][hours] [per charge]

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<sup>16</sup> Z = number of hours a refill cartridge will last based on net content. (See chart at end of label)

<sup>17</sup> Multi pack (X) number of appliances x (315 sq ft) each. This marketing information is only for packages containing more than one appliance.

<sup>18</sup> Dependent on battery provided. (Example, a 6.5 hr battery takes up to 5-hrs to recharge.)



7. Rechargeable [#] [hour battery]
- ~~8. USB charging cable~~
- ~~9. Wall adapter~~
10. Charge[s] from any USB port [not greater than 5V]
11. [Dimensions] [#] inches [tall] x [#] inches [wide] x [#] inches [deep]
12. [2hr][Auto-off] Timer [-Automatic power off after 2 hours when activated]
13. battery level indicator
14. [can] operate while charging
15. Gen [#] [Generation]
16. IP54 [rated] [water resistant]
17. Designed and tested to IP54 for [durability][use][reliability] outdoors
18. Water-resistant [rugged] [design]
19. *{list of modes may appear as words or icon equivalence}* POWER, TIMER, ON, OFF, AUTO-OFF, UNLOCK, LOCK
20. Wireless Charging [Compatible] [ - use with any Qi wireless charging pad]
21. Dimmable Light [-control the illumination with just a touch of your finger]
22. Low Refill Alert [-will illuminate when less than 2 hours of repellent remains]
23. [ZoneCheck] [360°][Status Indicator][-when the device is warming up the light on the ZoneCheck [status] indicator will show a chase pattern. Once up to temperature and actively emitting repellent the lights will stay illuminated]
- ~~24. Soft Light[ing]~~
25. Long Battery Life<sup>19</sup>
26. [Provides][Safe][warm] [Bright][Soft][LED] Light[ing]
- ~~27. Provides Light~~
28. [X] Hr [Hour] Battery Life
- ~~29. Included: [Visual of Pack Contents such as refill]~~
30. Li-Ion Battery [Powered]
31. Universal [battery platform][electric platform][rechargeable platform]refill
32. Battery Powers Heater
33. Heat Activates Repellent
34. This is one light that won't attract mosquitoes.
35. Light your space and repel mosquitoes.
36. Repeller operates with or without light.
37. One Button [to turn on or off].
- ~~38. Provides warm light~~
39. Timer [Mode]
40. Set it and forget it. [Turns off automatically so you don't have to]
41. Long-Life Battery [up to X Hours]
42. Our highest battery capacity.
43. Maximum Run Time.
44. Lets you know when [the protection zone is ready].
45. Refill-Sense [Has your back]
46. [Helps you stay protected]
47. Couldn't be easier to stay charged [and ready to fight mosquitoes]
48. Mosquito Protection couldn't be easier.
49. [2 in 1] Light + Mosquito Repellent
50. Weather Resistant [but like all electronics, store inside between uses]
51. Legendary Thermacell Performance [Now Rechargeable]
52. Breakthrough in Mosquito Protection
53. Incredibly Smart [Device]

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<sup>19</sup> Lithium batteries are long-life

54. Incredibly Powerful [Device]
55. Our most advanced mosquito repeller<sup>20</sup>
56. Zone mosquito protection that's smarter. {based on the feedback on the devices}
57. Bring on Summer [nights]
58. Rubber Overmold[ed] [grip]
59. Locking top
60. [Press the][Side][Latch] [Release] Button[s]
61. Rugged [design]
62. Small [compact] but powerful [effective]
63. Quick, simple, stress [worry] free
64. Protect larger areas with multiple repellents [Use multiple Repellers in larger areas]
65. Repel mosquitoes without worry [stress]
66. Mosquitoes give us 0 stars [and we're okay with that!]
67. Mosquitoes? Don't worry we got this.
68. Remove before use
69. Charge [before][and after] use
70. Check that the top is fully on.
71. Packaging contains post consumer recycled material.
72. See front of pack [box] for device color.
73. Low battery indicator

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<sup>20</sup> Used selectively on the appropriate product when / if applicable

{Front Panel and Insert when applicable}

# Thermacell Radius Zone Mosquito Repellent VI

## REFILL(S)

ALTERNATE BRAND NAMES: Thermacell Radius Zone Mosquito Repellent Refill(s), Thermacell Radius Mosquito Repellent v Refills, Thermacell Mosquito Repellent v Refills

{Select appropriate marketing verbiage, and additional graphics and/or symbols from "Marketing Text" section may be added to the front panel}

**Active Ingredient:**

Metofluthrin ..... 5.50%

**Other Ingredients** ..... 94.50%

Total ..... 100.00%

Contains petroleum distillate

KEEP OUT OF REACH OF CHILDREN

CAUTION

See [back] [side] [bottom] [panel] [and insert] for additional First Aid and Precautionary Statements<sup>21</sup>

**Net Contents:**

[#<sup>22</sup>] [Thermacell] Refill(s) Net Contents [#<sup>18</sup>] fl oz ([#] ml) [each]

[Total [#] fl oz [#] ml]

EPA Reg. No. 71910-11

EPA Est. No. [To be determined at time of order]

[Manufactured for:]

©Thermacell Repellents, Inc.

[26 Crosby Drive]

Bedford, MA 01730-1402

Toll Free: 1-866-753-3837

Email: Service@Thermacell.com

Refills made in [country of origin]

[Made in U.S.A from US and imported components [Determined at time of order]

{Side / Bottom Panel and Insert when applicable}

## PRECAUTIONARY STATEMENTS

### Hazards to Humans & Domestic Animals

**CAUTION:** Harmful if swallowed. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

<sup>21</sup> {NOTE TO REVIEWER FOR REFILLS: All outer boxes carry all Precautionary Statements, First Aid and Disposal. When used, inserts also carry all Precautionary Statements, First Aid and Disposal along with the Front Panel and Directions For Use.}

<sup>22</sup> Device packages contain from 1 to 10 refill cartridges. Cartridge net contents are 0.08 fl oz (2.4 ml) to 0.33 fl oz (9.8 ml) each (See chart at end of label).

### First Aid

<b>If Swallowed:</b>	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give <b>any</b> liquid to the person. Do not give anything by mouth to an unconscious person.
<b>Hotline Number:</b>	Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-866-753-3837.
<b>Note to Physician:</b>	Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

{Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}

### Environmental Hazards

Do not apply to water.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling  
[See insert[s] inside box for usage directions.]

[Please refer to the instructions [user guide] that came with your device for complete precautionary statements and directions for use.]

Insert [inserting] a [repellent] cartridge [refill]

- Remove the [wick] cap from a refill [Remove the cap from a refill and insert into base] [of repeller]
- [Squeeze] [Unscrew] the wick cover [as indicated] [and lift up to remove].
- Open the repeller and insert cartridge into the [repeller] [base]
- Close the repeller.
- Keep the [refill] cap for storage or travel.
- Do not remove the cap until ready to use.
- Keep cartridge upright anytime cap is removed
- Do not touch or remove the wick.
- Prior to transporting, remove the [repellent] cartridge from the repeller and replace wick cover [refill cap].
- Replace empty repellent refills when repeller is turned off.
- Contents may be under pressure. If you are using Radius at high altitudes, upon removing the refill cap [wick cover] repellent may accumulate around the wick. If needed, use a paper towel to carefully wipe any extra repellent accumulating on the cartridge or repeller with a tissue or paper towel. Dispose of paper towel in the trash and wash hands with soap and water.
- Do not allow the wick to be exposed to water. If wick begins to show sign of damage, dispose of immediately in the trash.

{Use instructions; steps and sub-bullets used as appropriate; some bullets may be prefaced with "Tip:"}

### Storage And Disposal

Do not contaminate water, food, or feed by storage and disposal of repellent cartridge.

**Pesticide Storage:** Store in a cool, dry place. Keep container tightly closed and away from children and pets. Keep refills out of direct sunlight. **Pesticide Disposal and Container Handling:** Non-refillable cartridge. Do not reuse or refill this cartridge. **If empty:** Place in trash. **If partly filled:** Call your local solid waste agency for disposal instruction. Never place unused product down any indoor or outdoor drain.

<b>{Refill Net Contents}</b>	
Hours	fl oz
40	0.33
36	0.31
18	0.17
12	0.11
8	0.08

**Cartridge Label:**