

71910-4

08/05/2008

1/14

**U.S. ENVIRONMENTAL PROTECTION  
AGENCY**

**Office of Pesticide Programs  
Registration Division (7505P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460**

EPA Reg. Number:

71910-4

Date of Issuance:

AUG 5 2008

**NOTICE OF PESTICIDE:**

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance: conditional

Name of Pesticide Product:

**Thermacell® Mosquito Repellent  
Candle Lantern**

**Name and Address of Registrant (include ZIP Code):**

**The Schawbel Corporation  
c/o Scientific Coordination, Inc., Agent  
4629 Cherry Valley Drive  
Rockville, MD 20853**

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

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

**This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) and (B) provided that you:**

**1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.**

**2. You submit the data listed in Attachment A.**

**3. You make the following label changes:  
Change the EPA Reg. No. to 71910-4.**

**The 1-800 number in the first aid statements is not optional.**

**Delete or define the term "bail." It is unlikely to be understood by many users and may lead to misuse. Submit documentation that the "bail" is constructed of non-flammable material.**

**The use restriction about candleholder and lantern globe being secure must be clarified to state whether these should be checked before or after the candle is lit.**

Signature of Approving Official:

**Richard Gebken  
Product Manager 10  
Insecticide Branch  
Registration Division (7505P)**

Date:

AUG 5 2008

Add to the Use Restrictions the following language from the label of the candle lantern product cited as similar:

Before lighting candle, make sure wick is trimmed to ¼ inch. Never cut, bend or alter shape of pad. Do not move lantern when lit. Do not place lantern near underground wires or gas lines. Pads may cause staining. Do not let pads contact other surfaces. Do not place lantern near combustible material such as dry vegetation, clothing or fuels. Never burn candle unattended.

Revise the directions for use to clarify what is meant by a "stable garden hook". Clarify that this must be constructed of non-flammable materials to avoid fire hazard and that user must test it to ensure it is stable, that the lantern will be stable when hung from it, and that it will not be placed next to flammable materials. Add to the Directions for use directions that the lit lantern must be placed on a level stable surface or hung it from a stable garden hook.

Revise the Environmental Hazards statements in accordance with the Allethrins Reregistration Eligibility Document as follows:

This product is toxic to fish, shrimp and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Drift may be hazardous to aquatic organisms in water adjacent to treated areas.

Delete or submit justification for the following claim:

No game-spooking odors.

Repellent does not spook game [won't spook game].

Delete the following universal substitutions as they detract from the directions for use:

Mat slot area for grill

Device appliance for lantern

You must specify the net weight of the candle as it is part of the pesticide product.

Insert an appropriate heading to separate the Use Restrictions from the instructions for assembling and using the repellent lantern.

The directions for use specify that the repellent mat is inserted under grill on lantern top. The directions for use also specify "extinguish [product name] candle by blowing into grill top." Verify that the placement of the mat under the grill does not prevent extinguishing the candle by blowing into the grill top.

The lantern top must bear the following labeling:

Attention Hot Surface

Insert pad under grill.

The lantern base labeling must also bear the following labeling and it must be visible when lantern is in use:

Do not use indoors, in a tent or enclosed area.

Use only Thermacell Mosquito Repellent Candle Lantern pads and candles in this lantern.  
Never leave burning candle unattended.  
Do not place near combustible materials such as dry vegetation, clothing or fuels.  
Place on a level stable surface or hang from a stable garden hook.  
Do not move lantern after it is lit.

Storage instructions must include statement to store lantern in original box.

Revise the disposal instructions for Lanterns as follows:  
Lantern disposal. Place in trash or offer for recycling, if available.

Revise statements for disposal of used mats as follows:  
Do not reuse empty packaging. Place in trash or offer for recycling if available. Place used mats in trash.

In accordance with PR Notice 2007-4, products must bear a batch code.

Delete the statement "Flame is enclosed" as it is an implied safety claim and detracts from the physical and chemical hazards statements.

Delete the following implied safety claims:  
No odor scent smell  
Odor free.

Delete the comparative claim that the product is silent.

Graphics must not detract from the precautionary statements or directions for use.

Claims to repel for a maximum number of hours must be revised to explain how these figures are calculated.

Delete the following claims which detract from the Precautionary Statements:

Convenient

Easy to use

Portable

Enjoy outdoor activities without annoying mosquitoes

Handy bail makes lantern easy to carry or hang from a hook

This product is silent so you can use it in comfort.

Its design is attractive so you will be comfortable using it when you entertain guests, yet functional so it is effective and easy to use.

Delete the following claims which imply 100% efficacy:

Mosquito protection for areas up to 15' x 15'.

Mosquito protection for an average size deck or patio.

Ideal [great]

Delete or clarify the reference to "passive repellency".

Move the following to a section entitled Warranty

Seller will not be held responsible for damage, injury or poor performance caused by use of other candles or repellent mats.

Additional changes may be required by the Allethrin RED which was published June 29, 2007. See [http://www.epa.gov/oppsrrd1/REDs/allethrin\\_red.pdf](http://www.epa.gov/oppsrrd1/REDs/allethrin_red.pdf).

This notice of registration is limited to mosquito repellent pads used with a lantern which relies on a candle for elution of the active ingredient. Use of any other device or other means of elution of the active ingredient must be submitted as a new registration.

Any design change will require an amendment.

Any change in net contents may not be accomplished by notification (as it may affect efficacy) and will require an amendment.

If you have questions, please call Ann Sibold at 703 305-6502.

Submit two copies of the revised final printed label for the record.

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

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

Attachment A

Data Required as a Condition of Registration

Guideline Number	Guideline Title	Due Date
830.6317	Storage Stability	August 6, 2009
830.6320	Corrosion Characteristics	August 6, 2009

6/14

**ThermaCELL<sup>®</sup> Mosquito Repellent Candle Lantern**

~ OPTIONAL MARKETING LANGUAGE, SYMBOLS &amp; GRAPHICS: SEE LAST PAGES ~

Active Ingredient:	
d-cis/trans allethrin .....	21.97%
Other Ingredients .....	78.03%
Total .....	100.00%

Keep Out of Reach of Children

**CAUTION**

See back [side] [bottom] panel for additional precautionary statements.

[This Package] Contains

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**

AUG 5 2008

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

71910-4

{Number} [Reusable] Lantern(s)

{Number} [Reusable] Candle Holder(s)

{Number} [Product Name] Candle(s)

Net Weight x.xx oz. each

{Number} [Product Name] [Insect] Repellent Mat(s)

Net Weight 0.08 oz. each

EPA Reg. No. 71910-X

EPA Est. 71998-THA-1, 43917-ITA-1

Manufactured for:  
The Schawbel Corporation  
100 Crosby Drive  
Bedford, MA 01730  
Toll Free: 1-8-NO SKEETERS

[Made and Printed in Italy]

Mats Made in Italy

Manufactured in Thailand

Protected by one or more of the following U.S. Patents: 5,700,430; D300,606 [; D423,071; 6,033,212 C1]

### DIRECTIONS FOR USE

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

**Use Restrictions:** Only for outdoor use as an insect repellent. Do not use indoors, in tents or any enclosed area. Cover or remove all exposed food. Make sure that candleholder has been secured by turning it clockwise until it clicks, and that lantern globe is securely on lantern base. [Lantern globe will click into place.] Place lantern on a level stable surface or hang from bail on a stable garden hook. Do not cover lantern with any material while in use. If hanging lantern from a hook, allow unit to cool before removing. To avoid fire hazard, do not place mats, matches or other foreign matter near candle flame. Do not leave lantern unattended or use in windy conditions. Clean with a damp cloth only when the lantern is cool and inactive. Do not use anything other than [product name] mats and candles in the lantern. Seller will not be held responsible for damage, injury or poor performance caused by use of other candles or repellent mats. Failure to follow these instructions could result in personal injury or property damage

1. Remove lantern from base by squeezing latch tabs on lantern bottom and pulling out lantern top.
2. Remove bag from inside lantern and take out contents: [product name] repellent mat, [product name] candle, and candleholder.
3. Take [product name] repellent mat out of wrapper and insert under grill on lantern top.
4. Place [product name] candle into candleholder with wick upright.
5. While holding lantern base upright, insert [product name] candle and candle holder up through bottom and turn right [clockwise] in direction of arrow [see picture] [as shown in picture] until candle holder clicks into place. **Make sure candleholder clicks into place.**
6. Set lantern base down on a level surface and light candle.
7. Replace lantern on the base. **Be sure to push down on lantern until it clicks [into base].**
8. When finished using lantern, extinguish [product name] candle by blowing into grill top.

#### To Replace Candle [and] [or] [/ ] Repellent Mat

Replace [product name] candle and [product name] repellent mat only when lantern is cool and not in use. Remove candleholder from base of lantern by turning [left] [counterclockwise]. Discard used [product name] candle. Insert new [product name] candle. Use only [product name] candles. Other candles may not provide correct amount of heat to release repellent optimally, reducing effectiveness. To replace a used [product name] repellent mat, push the used repellent mat out by inserting a new mat.

*{Graphics may/ will be added to final printed labeling.}*

8/14

**Storage and Disposal**

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

**Pesticide Storage:** Store unused mats in original packaging in a cool, dry place inaccessible to children and pets. **Pesticide Disposal: Used Mats:** Do not reuse empty packaging. Place in trash or offer for recycling if available. **Unused mats:** Call your local solid waste agency for disposal instructions. Never place unused mats down any indoor or outdoor drain. **Candle:** After allowing candle and lantern to cool, remove used up candle and place in trash. Retain candleholder for future lantern use. **Lantern:** Keep and reuse with [product name] refills. Otherwise, recycle.

**Precautionary Statements**  
**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if inhaled. Avoid breathing vapors.

**First Aid**

If Inhaled:	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
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Have the product container or label with you when calling a poison control center or doctor, or going for treatment [You may also contact 1-800-xxx-xxxx for emergency treatment information.<sup>1</sup>]

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

**Physical and Chemical Hazards**

Do not touch the grill while the lantern is in use; the grill is hot while in use.

**Environmental Hazards**

This pesticide is highly toxic to fish. Do not apply directly to water. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites.

[**Guarantee:** Lantern is guaranteed to last {number} year[s] from date of purchase. If [the] lantern fails to perform to your satisfaction, send the lantern and receipt to {company name} for a full refund of purchase price or repair or replacement.]

ThermaCELL® is a Registered Trademark of the Schawbel Corporation

<sup>1</sup> {Optional per PESTICIDE REGISTRATION (PR) NOTICE 2001-1; First Aid Statements on Pesticide Product Labels, Section III. Guidance, Item I. Telephone Numbers.}



9/14

**{Mat Label}****ThermaCELL® Mosquito Repellent Mat****Active Ingredient:**

d-cis/trans allethrin .....	21.97%
Other Ingredients .....	78.03%
Total .....	100.00%

**Keep Out of Reach of Children****CAUTION****See outer carton for additional precautionary statements  
and Directions for Use.**

Net Weight: 0.08 oz.

EPA Reg. No. 71910-2

EPA Est. 43917-ITA-1

The Schawbel Corporation

100 Crosby Drive

Bedford, MA 01730

Made [and Printed] in Italy

**{Lantern Label}****ThermaCELL® Mosquito Repellent Candle Lantern****~~ATTENTION - HOT SURFACE~~****Keep Out of Reach of Children****CAUTION****Read *Directions for Use* and *Precautionary Statements* on box prior to use.**

The Schawbel Corporation

100 Crosby Drive

Bedford, MA 01730

EPA Reg. No. 71910-X

EPA Est. 71998-THA-1, 43917-ITA-1

[U.S. Patent Numbers 6,033,212 C1; 5,700,430; D300,606]

[ThermaCELL® is a Registered Trademark of the Schawbel Corporation]

10/14

{Refill Labeling}

**ThermaCELL<sup>®</sup> Mosquito Repellent Candle Lantern  
REFILLS**

~ OPTIONAL MARKETING LANGUAGE, SYMBOLS &amp; GRAPHICS: SEE LAST PAGES ~

**Active Ingredient:**

d-cis/trans allethrin .....	21.97%
Other Ingredients .....	78.03%
Total .....	100.00%

Keep Out of Reach of Children

**CAUTION**

See back [side] [bottom] panel for additional precautionary statements.

[This Package] Contains

{Number} [Product Name] Candle(s)

Net Weight x.xx oz. each

{Number} [Product Name] [Insect] Repellent Mat(s)

Net Weight 0.08 oz. each

EPA Reg. No. 71910-X

EPA Est. 71998-THA-1, 43917-ITA-1

Manufactured for:

The Schawbel Corporation

100 Crosby Drive

Bedford, MA 01730

Toll Free: 1-8-NO SKEETERS

[Made and Printed in Italy]

Mats Made in Italy

Manufactured in Thailand

Protected by one or more of the following U.S. Patents: 5,700,430; D300,606 [; D423,071; 6,033,212 C1]

11/14

### DIRECTIONS FOR USE

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

**Use Restrictions:** Only for outdoor use as an insect repellent. Do not use indoors, in tents or any enclosed area. Cover or remove all exposed food. Make sure that candleholder has been secured by turning it clockwise until it clicks, and that lantern globe is securely on lantern base. [Lantern globe will click into place.] Place lantern on a level stable surface or hang from bail on a stable garden hook. Do not cover lantern with any material while in use. If hanging lantern from a hook, allow unit to cool before removing. To avoid fire hazard, do not place mats, matches or other foreign matter near candle flame. Do not leave lantern unattended or use in windy conditions. Clean with a damp cloth only when the lantern is cool and inactive. Do not use anything other than [product name] mats and candles in the lantern. Seller will not be held responsible for damage, injury or poor performance caused by use of other candles or repellent mats. Failure to follow these instructions could result in personal injury or property damage

1. Remove lantern from base by squeezing latch tabs on lantern bottom and pulling out lantern top.
2. Remove [product name] repellent mat and [product name] candle from refill box.
3. Take [product name] repellent mat out of wrapper and insert under grill on lantern top.
4. Place [product name] candle into candleholder with wick upright.
5. While holding lantern base upright, insert [product name] candle and candle holder up through bottom and turn right [clockwise] in direction of arrow [see picture] [as shown in picture] until candle holder clicks into place. **Make sure candleholder clicks into place.**
6. Set lantern base down on a level surface and light candle.
7. Replace lantern on the base. **Be sure to push down on lantern until it clicks [into base].**
8. When finished using lantern, extinguish [product name] candle by blowing into grill top.

#### To Replace Candle [and] [or] [ / ] Repellent Mat

Replace [product name] candle and [product name] repellent mat only when lantern is cool and not in use. Remove candleholder from base of lantern by turning [left] [counterclockwise]. Discard used [product name] candle. Insert new [product name] candle. Use only [product name] candles. Other candles may not provide correct amount of heat to release repellent optimally, reducing effectiveness. To replace a used [product name] repellent mat, push the used repellent mat out by inserting a new mat.

*{Graphics may/ will be added to final printed labeling.}*

12/14

**Storage and Disposal**

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

**Pesticide Storage:** Store unused mats in original packaging in a cool, dry place inaccessible to children and pets. **Pesticide Disposal: Used Mats:** Do not reuse empty packaging. Place in trash or offer for recycling if available. **Unused mats:** Call your local solid waste agency for disposal instructions. Never place unused mats down any indoor or outdoor drain. **Candle:** After allowing candle and lantern to cool, remove used up candle and place in trash. Retain candleholder for future lantern use. **Lantern:** Keep and reuse with [product name] refills. Otherwise, recycle.

**Precautionary Statements**  
**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if inhaled. Avoid breathing vapors.

**First Aid**

If Inhaled:	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
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Have the product container or label with you when calling a poison control center or doctor, or going for treatment [You may also contact 1-800-xxx-xxxx for emergency treatment information.<sup>2</sup>]

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

**Physical and Chemical Hazards**

Do not touch the grill while the lantern is in use; the grill is hot while in use.

**Environmental Hazards**

This pesticide is highly toxic to fish. Do not apply directly to water. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites.

**[Guarantee:** Lantern is guaranteed to last {number} year[s] from date of purchase. If [the] lantern fails to perform to your satisfaction, send the lantern and receipt to {company name} for a full refund of purchase price or repair or replacement.]

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<sup>2</sup> {Optional per PESTICIDE REGISTRATION (PR) NOTICE 2001-1; First Aid Statements on Pesticide Product Labels, Section III. Guidance, Item I. Telephone Numbers.}

**~ OPTIONAL MARKETING LANGUAGE, SYMBOLS & GRAPHICS ~*****{Marketing Text for use on boxes:}***

- REFILLS available
- For use in [product name] lantern
- Also works on [repels] black flies
- Buy one get one free
- Convenient
- Coupon inside. Rebate inside
- Easy to use
- Effective
- Odor free [and] Silent
- Portable
- Refills [are] available
- Value [Summer] [Bonus] Pack: {number} dollar savings [off regular price]
- Value [Summer] [Bonus] [Backyard] [Multi-] Pack: {number} [free] refills [lantern,]
- Flame is enclosed.

***Repellency***

- [Each] candle lasts a maximum of 4 hours.
- [Each] mat lasts a maximum of 4 hours
- Provides 15' diameter repellency
- Provides 15' x 15' [225 sq. ft.] area of repellency
- Provides 15' x 15' ft of protection from mosquitoes
- Provides 225 sq. ft. of repellency for a maximum of 4 hours [per mat]
- Repellent lasts a maximum of 4 hours [per mat]
- Repels mosquitoes, black flies and other flying insects
- Repels mosquitoes and black flies for a maximum of 4 hours [per mat]
- Repels mosquitoes using a heat-activated repellent mat
- Repels mosquitoes, black flies and other [outdoor] flying insects from an area up to 15' by 15' [from an average size deck or patio]
- Repels mosquitoes, black flies and other [outdoor] insects from an average size deck or patio [from an average size deck, patio] for hours
- Mosquito protection for areas up to 15' x 15'
- Mosquito protection for an average size deck or patio

***How [it] [ThermaCELL® Mosquito Repellent]/[s] Work[s]***

- Heat-activated [product name] repellent mat repels mosquitoes, black flies and other [outdoor] flying insects
- Heat activated [product name] mat disperses repellent into air
- [product name] mat releases repellent when heated by candle

***Where [Product] [product name] is used***

Ideal [great] for backyard[s], yards, decks, patios, parties, gardening, [other] social events [gatherings], spectator sports, sporting events, and camping.

14/14

**Scent**

- No game-spooking odors
- No odor [scent] [smell]
- Odor free
- Place product upwind for maximum repellency
- Repellent does not spook game [Won't spook game]

**Other**

- Enjoy outdoor activities without annoying mosquitoes
- Refills available wherever Schawbel [ThermaCELL®] repellent products are sold
- The Schawbel Corporation [Schawbel] offers convenient refill kits for use with this product

**Bail:**

- Handy bail makes lantern easy to carry or hang from a hook
- Place lantern on a table or hang from a hook

Mosquitoes, black flies, bugs, and outdoor flying insects can spoil just about any outdoor activity whether you are entertaining guests or working in your backyard. Now you can alleviate the annoyance from these insects with passive repellency for a maximum of four hours; [product name] silently and continuously releases a repellent that repels mosquitoes, black flies, and outdoor flying insects, [for a maximum of {number} hours.]. This product efficiently repels and reduces the annoyance of mosquitoes, black flies, and outdoor flying insects, in an area as large as an average-size deck or patio (15 feet in diameter or 225 square feet [an area 15' by 15'] for a maximum of {number} hours.

This product is silent so you can use it in comfort. Its design is attractive so you will be comfortable using it when you entertain guests, yet functional so it is effective and easy to use.



{Illustration of unit}

{Universal Substitutions:

- "Mat slot area" for "grill"
- "lamp", "device" or "appliance" for "lantern"
- "Area mosquito repellent" for "mosquito repellent"

[ ] Denotes alternate/optional language.

{ } Denotes text not printed on market label.