

4822-278

3/1/2012

1/9

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 1, 2012

Marcia K. Trostle Duke  
Registration Specialist  
S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine, WI 53403-2236

Subject: Amended Reregistration Label  
Product Name: Raid Formula 278 Insect Killer  
EPA Registration Number: 4822-278  
EPA Decision Number: 413586

Dear Ms. Duke:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Permethrin RED, and has concluded that your submission is acceptable.

NOTE: This product is **not** being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

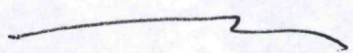
Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.


- Basic CSF, dated 21 December, 2010
- Alternate CSF, dated 21 December, 2010
- Alternate CSF, dated 21 December, 2010

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Clayton Myers at 703-347-8874 or myers.clayton@epa.gov.

Sincerely,



 Richard J. Gebken  
Product Manager  
Insecticide Branch  
Registration Division (7505P)

Enclosures: *Label stamped "Accepted," dated March 1, 2012*  
*Acute Toxicity Review, dated March 11, 2011*  
*Product Chemistry Review, dated June 10, 2011*

ACCEPTED

MAR 1 - 2012

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

Label 4822-278  
RAID FORMULA 278 INSECT KILLER

EPA. Reg. No: 4822-278

11/28/11 Fogger and RED label  
02/15/2012 Response to agency initiated request for updated Reregistration label

[On Outside Packaging]

S. C. Johnson Wax  
Deep-penetrating (dry) (smoke) (fog) kills (roaches) (&) (fleas) (bugs) (silverfish) (yellow mealworm beetles) (carpet beetles) (clothes moths) (crickets) (Asian lady beetles) where they hide.

ACTIVE INGREDIENT:  
Permethrin.....12.6%  
OTHER INGREDIENTS:.....87.4%

Keep Out of Reach of Children  
CAUTION:  
See Additional Precautionary Statements on Outside Carton

(Net Weight) Contains: (3) (0.35 oz.) (units) [(Two) (2) Foggers (Pack)]

RAID FORMULA 278 INSECT KILLER PENETRATES DEEP TO KILL MORE (ROACHES) (AND) (FLEAS) (BUGS) (silverfish) (yellow mealworm beetles) (carpet beetles) (clothes moths) (crickets) (Asian lady beetles) DEAD.

RAID FORMULA 278 INSECT KILLER creates a deep-penetrating, fumigating (smoke) (fog) that flushes (roaches) (and) (fleas) (bugs) (silverfish) (yellow mealworm beetles) (carpet beetles) (clothes moths) (crickets) (Asian lady beetles) out from where they hide and kills them on contact.  
When activated, it fumigates the whole room with a dry, white cloud of (smoke) (fog). The fumigating (smoke) (fog) stays in the air during the 3-hour treatment, penetrating deep, filling cracks and crevices and going way under furniture and appliances to kill (roaches) (and) (fleas) (bugs) (silverfish) (yellow mealworm beetles) (carpet beetles) (clothes moths) (crickets) (Asian lady beetles) where they hide. That is why it kills so many bugs!!

RAID FORMULA 278 INSECT KILLER can be used in kitchens, living areas, garages, attics, basements and pet areas. One unit treats a room of up to 16' x 20' with an 8' ceiling. Keep treated rooms closed for 3 hours after treatment.

TO CONTROL FLEAS:  
RAID FORMULA 278 INSECT KILLER kills adult fleas on contact. However, flea eggs in your carpet may continue to hatch for two to three weeks after treatment. For better control of fleas, do the following in addition to treating with RAID FORMULA 278 INSECT KILLER:  
Clean or replace soiled pet bedding including cat litter. Vacuum pet quarters, carpets and all areas where fleas are found. Treat pet areas with Raid Flea Killer Plus. Its egg-stop formula kills fleas and their hatching eggs.  
Treat your pet with an approved flea control product before returning it to treated area.

Relieves infestations.  
Convenient - easy to use.  
Delayed fogging (fumigating) allows time to leave room.  
No (wet) (messy) (mess) (or) (oily) residue  
No oily residue on surfaces.  
Fresh scent.  
No stains.  
Kills (fleas) (and) (roaches) (bugs) (silverfish) (yellow mealworm beetles) (carpet beetles) (clothes moths) (crickets) (Asian lady beetles) where they hide.  
Has delayed fogging (fumigating) action for greater convenience.  
Drives bugs out and kills on contact.  
Flushes bugs out from where they hide and kills on contact.  
Kills bugs dead.

Dry (smoke) (fog) leaves no wet mess or residue.  
Dry (smoke) (fog) kills (bugs) (roaches) (and) (spiders) (silverfish) (yellow mealworm beetles) (carpet beetles) (clothes moths) (crickets) (Asian lady beetles) where they hide.  
House and Yard Line  
Garden Center Size  
3 Pack  
Delayed Fogging Action  
Instrucciones en Espanol dentro de la caja.

**KILLS:** Roaches, Palmetto Bugs, Waterbugs, Fleas, Ticks, Mosquitoes, Flies, Ants, Spiders, silverfish, yellow mealworm beetles, carpet beetles, clothes moths, crickets, Asian lady beetles. (NOTE pre-adult fleas not included)

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

**General Precautions and Restrictions:**

**Do not apply this product in a way that will contact adults, children or pets, either directly or through spray drift.**

**Do not use in greenhouses where plants are grown for food.**

**Do not use in livestock quarters or poultry houses.**

**Do not use in aircraft cabins.**

**Do not apply directly into sewers or drains, or to any area like a ditch or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitats can occur. Do not allow the product to enter any drain during or after application.**

*[Note to reviewer: the following three statements are optional statements for inclusion in this section as they are redundant to statements already included in the Directions for Use]*

**Do not allow Adults, children, or pets to enter the treated area, until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.**

**Remove birds and other pets before application. Cover any water inhabited by fish (such as aquariums and ornamental fish ponds) during treatment, and turn aquarium systems off.**

**Do not apply when food is present. Exposed food should be covered or removed. All food preparation surfaces and utensils should be covered during treatment or thoroughly washed before use.**

Does not control bed bugs.

To Use This Product Correctly:

1) Do not use in small, enclosed spaces such as closets, cabinets or under counter or tables [EPA Pre-Approved Pictogram 2 Representing "Do Not Use In Small Confined Spaces"]. Do not use multiple canisters in a room. [EPA Pre-Approved Pictogram 1 Representing "Do Not Use Multiple Canisters in a Room"].

Before You Fog:

2) Open cabinets, cupboards, drawers, closets and doors in the areas to be treated. **Do not apply when food is present.** REMOVE or cover exposed food and dishes. **During treatment all food preparation surfaces and utensils should be covered** (newspapers may be used) **or thoroughly washed before use.** [EPA Pre-Approved Pictogram 5 Representing "Remove or Cover Exposed Food"]. REMOVE birds, other pet and plants before application. Tightly cover **any water inhabited by fish (such as aquariums and ornamental fish ponds)** or remove fish tanks and bowls during treatment. Turn off air flow systems in aquariums. CLOSE outside doors and windows. SHUT OFF fans and air conditioners and temporarily disconnect (smoke) (fog) alarms.

3) **DO NOT OPEN UNTIL READY TO USE.** Grasp the foil tab and peel it off of the plastic cup. Remove the metal can from the cup.

4) Add water to the line near the base of the plastic cup. **DO NOT OVER FILL.** Place the plastic cup on the floor in the center of the room.

To Start Fogging:

5) Replace the metal can into the plastic cup. DO NOT INSERT UPSIDE DOWN.

6) Fumigation starts within 1-2 minutes. Vacate the treated house, individual apartment unit, or other structure immediately and fill out and place hang-tag on the door to the treated area to alert family and others with access to the treated area not to enter for 3 hours. Keep the outside doors and windows closed and do not re-enter for 3 hours [Pictogram Representing "Do Not Re-enter for 3 Hours" (Clock)].

Airing Out:

7) (Do not re-enter) (Wait) for three (3) hours after application, then open windows, vents and doors for 30 minutes [EPA Pre-Approved Pictogram 6 Representing "Air Out the Room Before Entering"]. If an odor is still detected additional ventilation is required. Do not allow adults, children or pets to enter the treated areas, **until vapors mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.**

8) TURN ON SMOKE ALARMS AND AQUARIUMS.

**[Note to Reviewer: A text box will be added to the Storage and Disposal section increase the prominence of this language if space permits]**

STORAGE AND DISPOSAL:

STORAGE: Store unused units in this outside carton in a cool, dry area inaccessible to children.

DISPOSAL: Before Disposing, empty the container by using the product according to the label. Do not reuse this container. Place in the trash or offer for recycling if available.

If partially filled: Call your local solid waste agency or 1-800-529-3394 for disposal instructions. Never place unused product down any indoor or outdoor drain.

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or absorbed through the skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Breathing (spray mist) (smoke) (fog) may be harmful. Avoid breathing (smoke) (fog). Do not remain in enclosed areas during treatment. Ventilate enclosed areas before returning. Wash hands with soap and water after handling this product. (Avoid contamination of food and foodstuffs. Cover and turn off fish aquariums. Remove plants, pets and birds before using.)

**[Note to Reviewer: Boxed format and "bullets" will be used if label space permits.]**

#### **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.**
- **Call a poison control center or doctor for treatment advice.**

**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 treatment advice.**

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

Physical and Chemical Hazards:

When metal can comes in contact with the water, and for 30 minutes thereafter, the metal can will be hot. This is normal. In order to avoid skin burns, do not touch hot metal can during this time. Heat resistant plastic cup protects the surface where it is placed.

Questions? Comments?

Call 800-558-5252

Weekdays 9-9 Eastern time

or Write Helen Johnson

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Racine, WI 53403 U. S. A.

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EPA Reg. No. 4822-278  
EPA Est. No. 4822-WI-1

Product manufactured and marketed under license from Earth Chemical Co., Ltd.- Japan. Patent No. 4171340

[On Plastic Cup – Front]

Add water to line.

[On Seal Over Plastic Cup]

RAID (FORMULA 278 INSECT KILLER) (Fumigator)

Do not open until ready to use.

Add water to line near base of plastic cup. Do not overfill.

Do not reuse or refill this cup

[On foil seal over can]

Remove this can before adding water

Read directions on box.

This side up.

[On Insecticide Can]

ACTIVE INGREDIENT:

Permethrin.....12.6%

OTHER INGREDIENTS.....87.4%

Keep Out of Reach of Children

CAUTION:

See Additional Precautionary Statements on Outside Carton

Net Weight: 0.35 oz.

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[On Instruction Leaflet]

RAID FORMULA 278 INSECT KILLER PENETRATES DEEP TO KILL MORE ROACHES (BUGS) DEAD.

RAID FORMULA 278 INSECT KILLER creates a deep-penetrating fumigating (smoke) (fog) that flushes bugs out from where they hide and kills them on contact.

When activated, it fumigates the whole room with a dry, white cloud of (smoke) (fog). The fumigating (smoke) (fog) stays in the air during the 3-hour treatment, penetrating deep, filling cracks and crevices and going way under furniture and appliances to kill (roaches) (and) (fleas) (bugs) (silverfish) (yellow mealworm beetles) (carpet beetles) (clothes moths) (crickets) (Asian lady beetles) where they hide. That is why it kills so many bugs!!

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Relieves infestations.

Convenient - easy to use.

Delayed fogging (fumigating) allows time to leave room.

No (wet) (messy) (mess) (or) (oily) residue on surfaces.

Fresh scent.

No stains.

Kills fleas and roaches (bugs) where they hide.

Has delayed fogging action for greater convenience.

Drives bugs out and kills on contact.

Flushes bugs out from where they hide and kills on contact.

Kills bugs dead.

Dry (smoke) (fog) leaves no wet mess or residue.

**KILLS:** Roaches, Palmetto Bugs, Water Bugs, Fleas, Ticks, Mosquitoes, Flies, Ants, and Spiders, silverfish, yellow mealworm beetles, carpet beetles, clothes moths, crickets, Asian lady beetles. (NOTE pre-adult fleas not included)

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[Front Panel]

# FOGGER USED IN THIS ROOM TODAY

## DO NOT ENTER UNTIL \_\_\_\_\_(time) ON \_\_\_\_\_ (date)

[Back Panel/Optional]

### Hang Tag Instructions:

Fill out and place hang-tag on the door to the treated area to alert family and others with access to the treated area not to enter for at least 3 hours following the treatment.

- DO NOT use more than one fogger per room.**
- DO NOT use in small enclosed spaces.**
- DO NOT use in a room 5ft. x 5 ft. or smaller.**
- DO NOT remain in (enclosed) (treated) areas during use.**
- KEEP OUT OF TREATED AREA for three (3) hours.**

Remove pets and birds and cover and turn off fish aquariums before (spraying) (treating). (All food surfaces should be covered during application and thoroughly cleaned (after) (before) use.)

Turn off ALL ignition sources such as pilot lights.  
Call your gas utility or management company if you need assistance with your pilot lights.

**Ventilate (enclosed) (treated) area for 30 minutes before reoccupying.**

**Raid Formula 278 Insect Killer, EPA Reg. No. 4822-278**  
**S C Johnson & Son, Inc., Racine, WI, 53403**  
**For information or in emergency contact 800-558-5252**