



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 20, 2012

Mr. Hubert R. O'Neal, Ph.D.  
Regulatory Consultant for  
KMG-Bernuth, Inc.  
9555 W. Sam Houston Pkwy. S., Suite 600  
Houston, TX 77099-2168

**Subject: Acceptance of Amended Reregistration Label**  
**Product Name/EPA Registration Number: Permethrin™ S Synergized Formula/61483-87**  
**EPA Decision Number(s): D410204 & D413328**  
**Your Submission Dated March 24, 2010 & E-Resubmissions Dated March 1, 2012 and March 15, 2012**

Dear Mr. O'Neal:

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 referenced product in connection with the **REDs for Permethrin and Piperonyl Butoxide**, and has concluded that your submission is acceptable.

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

Please note that the record for this product currently contains the accepted CSFs listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated February 24, 2011
- Alternate CSF A, dated March 20, 2010
- Alternate CSF B, dated March 20, 2010
- Alternate CSF C, dated March 20, 2010

A copy of your label stamped "Accepted" is enclosed for your records. 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 section 6(e) of FIFRA.

If you have any questions about this letter, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov) or Mr. Richard J. Gebken at (703) 305-6701 or via e-mail at [Gebken.Richard@epa.gov](mailto:Gebken.Richard@epa.gov) during the hours of 9:00 A.M. to 5:30 P.M. EST.

Sincerely Yours,

Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

**Enclosures:** Copy of label stamped "Accepted"  
Copy of acute toxicity review, dated June 24, 2010  
Copy of product chemistry review #1, dated January 16, 2011  
Copy of product chemistry review #2, dated June 9, 2011



# Permethrin™ S Synergized Formula

Ready-To-Use Pour-On & Spray Insecticide  
Treats Up To 25 Cows per Gallon

Kills Flies, Lice and Ticks  
On Beef and Lactating Dairy Cattle  
and Keds on Sheep

**ACTIVE INGREDIENTS**

Permethrin (CAS # 52645-53-1).....	1.00%
Piperonyl Butoxide (CAS # 51-03-6)*.....	1.00%
<b>OTHER INGREDIENTS**</b> .....	<u>98.00%</u>
Total 100.00%	

\*(butylcarbityl)(6-propylpiperonyl) ether and related compounds  
\*\*Contains petroleum distillate

EPA Reg. No. 61483-87

EPA Est. No. 61483-KS-01

**Keep Out of Reach of Children**

## CAUTION

See Back Panel For Additional Precautionary Statements

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>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE 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 product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-322-8177, twenty four (24) hours per day, seven (7) days per week.	
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

**Net Contents: 1 U.S. Gallon  
(3.785 Liters)**

**Mfg. by: KMG-Bernuth, Inc.  
Houston, TX 77099  
800- 322-8177**

ACCEPTED  
*March 20, 2012*  
Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

EPA. Reg. No: 61483-87

3/21/2012



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION: Contains petroleum distillate.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are butyl rubber, neoprene rubber, or polyvinyl chloride (PVC). If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators (except for hand-held foggers or fog/mist generator use indoor spaces), and other handlers must wear the following:

- Long-sleeved shirt;
- Long pants;
- Shoes and socks;
- Chemical resistant gloves for all handlers made of butyl rubber, neoprene rubber, or polyvinyl chloride (PVC); and
- Chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate and for handlers performing animal dip applications.

In addition to the above PPE, applicators using hand-held foggers or fog/mist generators in indoor spaces must wear:

- Coveralls over long-sleeved shirt and long pants;
- Chemical-resistant gloves;
- Chemical-resistant footwear and socks;
- Chemical-resistant headgear, if overhead exposure; and
- A half-face, full-face, or hood-style NIOSH-approved respirator with a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C), a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a cartridge or canister with any N, R, P, or HE filter.

### USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

#### USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should 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:** This product is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash-waters or rinsate.

This product may contaminate water through run-off. This product has a potential for run-off for several months or more after application. Poorly draining soils and soils with shallow water tables are prone to produce run-off that contains this product. Applying this product in calm weather when rain is not predicted for the next 24 hours will help insure that wind or rain does not blow or wash pesticide off the treatment area. See Directions For Use for additional precautions and requirements.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**USE RESTRICTIONS**

- Apply this product only as specified on this label.
- Do not contaminate food or feedstuffs.
- Do not use in aircraft cabins.
- This product is not for use in outdoor residential misting systems (indoor or outdoor), or in metered release misting systems.
- Do not make applications during rain.
- Do not breathe spray mist.
- Do not use this product directly on domestic (companion) animals (dogs, cats, puppies or kittens).
- Except when applying to livestock, do not enter or allow others to enter treated area until sprays have dried.
- Except when applying to livestock, do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Except when applying to livestock, only protected handlers may be in the treated area during application.
- Do not use in food/feed areas of food handling establishments, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where food is served, such as dining rooms, but excluding areas where foods may be prepared or held.
- Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- Application of this product is prohibited directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow this product to enter any drain during or after application.
- Remove pets, birds, and cover fish aquariums and ornamental fish ponds before spraying, and turn aquarium systems off prior to use.

3/21/2012



APPLY TO	TARGET PESTS	APPLICATION INSTRUCTIONS
Beef Cattle, Lactating and Non-Lactating Dairy Cattle And Calves	Horn Flies, Face Flies and Lice Aids in control of Horse Flies, Stable Flies, House Flies, Mosquitoes, Black Flies and Ticks	<p><b>Dosage:</b> Apply ½ fl. oz. (15 ml.) per 100 lbs. body wt. of animal up to a maximum of 5 fl. oz. for any one animal. For Pour-On and Ready-To-Use Spray applications, repeat treatment as needed, but do not exceed 5 fl. oz. during any 14 day interval. For optimum insecticidal effectiveness against lice, a second treatment at 14 day intervals is recommended.</p> <p><b>Pour-On:</b> Pour correct dose along back and down face.</p> <p><b>Ready-To-Use Spray:</b> Use undiluted in a mist sprayer to apply correct dose. Apply directly to neck, face, back, legs and ears.</p> <p><b>Back Rubber Use:</b> Mix one pt. per gal. of mineral oil. Keep rubbing device charged. Results are improved by daily forced use.</p>
Sheep	Sheep Keds, Lice, Horn Flies and Face Flies. Aids in the insecticidal control of Horse Flies, Stable Flies, Mosquitoes, Black Flies and Ticks	<p><b>Dosage:</b> Apply ¼ fl. oz. (7.5 ml.) per 50 lbs. body wt. of animal, up to a maximum of 3 fl. oz. for any one animal. For optimum control, all animals in the flock should be treated after shearing. For optimum insecticidal effectiveness against lice, a second treatment at 14 day intervals is recommended.</p> <p><b>Pour-On:</b> For Keds, pour along back line over neck, shoulders and rump. Pour along back line down face for lice, flies and ticks.</p> <p><b>Ready-To-Use Spray:</b> Use undiluted in a mist sprayer to apply correct dose. Apply directly to neck face, back, legs and ears.</p>
Premises – In and around Horse, Beef, Dairy, Swine, Sheep and Poultry premises. Animal Hospital Pens and Kennels “outside” Meat Processing Premises.	House Flies, Stable Flies, Face Flies, Gnats, Mosquitoes, Black Flies, Fleas and Little House Flies. Aids in control of Cockroaches, Ants, Spiders, Crickets.	<p><b>Ready-To-Use Spot Spray or Premise Spray:</b> Use undiluted in a mist sprayer. Apply directly to surface to leave a residual insecticidal coating, paying particular attention to areas where insects crawl or alight. One gallon will treat approximately 7,300 square feet.</p>

**NOTE:** This is an oil-based, ready-to-use product that may leave an oily appearance on the hair coat of some animals. This product should be used in an integrated pest management system which may involve repeat treatments and the use of other pest control practices.



### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry (preferably locked) place in an area that is inaccessible to children and animals. Protect from freezing. Store upright at room temperature. Avoid exposure to extreme temperatures.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing and with specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of material as to which a claim is made.