



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
262546

Application for Pesticide - Section I

1. Company/Product Number 4691-108	2. EPA Product Manager G. LaRocca	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Permethrin II ??	PM# 03	
5. Name and Address of Applicant (Include ZIP Code)  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: <b>NOTIFICATION</b> EPA Reg. No. _____ Product Name JUN 18 1998	

Section - II

Amendment - Explain below.  Final printed labels in response to Agency letter dated \_\_\_\_\_

Resubmission in response to Agency letter dated \_\_\_\_\_  "Me Too" Application.

Notification - Explain below.  Other - Explain below.

Explanation: Notification of label change per PR Notice 96-6. This notification is consistent with the provisions of PR Notice 96-6 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 96-6 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

PR NOTICE 96-6

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
*certification must submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container

3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container \_\_\_\_\_

5. Location of Label Directions \_\_\_\_\_

6. Manner in Which Label is Affixed to Product  
 Lithograph  Other \_\_\_\_\_  
 Paper glued  
 Stenciled

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Karen A. Vasquez	Title Regulatory Affairs Manager Ectoparasiticides	Telephone No. (Include Area Code) 816-390-0591
--------------------------	--	---

Certification  
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature  
*Karen A. Vasquez*

3. Title  
Regulatory Affairs Manager  
Ectoparasiticides

4. Typed Name  
Karen A. Vasquez

5. Date  
June 4, 1998

6. Date Application Received (Stamped)

# Permethrin II

2/2

An Emulsifiable  
Animal and  
Premises Spray  
With 30 Day  
Residual Effects

**Active Ingredients**

Permethrin (3-phenoxyphenyl) methyl (+)-cis, trans-3-(2,2-dichloroethyl)-  
2,2-dimethylcyclopropanecarboxylate\* 10.0%

**Inert Ingredients\*\*** ..... 90.0%  
Total 100.0%

\* cis/trans ratio: Min. 35% (+)cis and max. 65% (+) trans isomers  
\*\* Contains petroleum distillates  
Contains 0.75 lb. permethrin per gallon.



NET CONTENTS: 1 Quart  
(946 mL)

Code 401-411 01402L-03-9709



Keep Out of Reach of Children

**CAUTION**

See back panel for additional precautionary statements

**PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS**  
**CAUTION:** May be harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.  
**HAZARDS TO DOMESTIC ANIMALS**  
**CAUTION:** Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.  
**STATEMENT OF PRACTICAL TREATMENT**  
**IF SWALLOWED** - Call a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia.  
**IF ON SKIN** - Remove contaminated clothing and wash affected areas with soap and water.  
**IF IN EYES** - Flush eyes with plenty of water. Call a physician immediately.  
**IF INHALED** - Remove victim to fresh air. Apply artificial respiration if indicated.  
**ENVIRONMENTAL HAZARDS:** This pesticide is extremely toxic to fish. Use with care when applying to areas adjacent to any body of water. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on the label.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not use or store near heat or open flame.  
**STORAGE AND DISPOSAL**  
Do not contaminate water, food or feed by storage or disposal.  
**KEEP CONTAINER SEALED WHEN NOT IN USE. PROTECT FROM FREEZING**  
In case of spill on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area and dispose of in accordance with state and local regulations.  
**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:** Do not reuse container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

EPA Reg. No. 4691-108 01413L-03-9709  
EPA Est. No. 62478-FI-1A First letter of run code on container denotes Est. No. of manufacturer  
44616-MO-10  
4691-KS-10  
Mfd. for **Boehringer Ingelheim Animal Health, Inc.**  
St. Joseph, MO 64506, USA  
(800) 421-2467

**READ DIRECTIONS BEFORE USING**

PESTS	PERMECTHRIN II DILUTIONS FOR USE	HOW TO APPLY
<b>PESTS ON FARM PREMISES (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, Poultry and Livestock Housing)</b>		
Houseflies, stableflies, lesser houseflies and other manure breeding flies, fleas, lice, mites, ticks, including deer ticks (carrier of Lyme disease). Aids in control of cockroaches, mosquitoes and spiders.	Mix 1 qt in 25 gal; 8 oz in 6.25 gal; 1-1/2 oz (40 cc) in 1 gal of water.	Spray all surfaces to run-off with diluted emulsion. 1 qt per 750 sq. ft.
	Use undiluted in mist blower. In power sprayer, use 1 qt in 25 gal; 1-1/2 oz (40 cc) in 1 gal of oil or water.	Mist or fog 4 oz per 1600 sq. ft.
<b>PESTS ON LARGE ANIMALS (Dairy or Beef Cattle and Horses)</b>		
Faceflies, hornflies, horseflies	Mix 1 qt in 20 gal; 8 oz in 5 gal; 1/2 oz (40 cc) in 1 gal oil* to charge backrubbers.	Animals self apply. Recharge backrubber or oiler as needed.
Faceflies, hornflies, horseflies, stableflies, mosquitoes, lice, mites, ticks, including deer ticks (carrier of Lyme disease)	Mix 1 qt in 200 gal; 8 oz in 50 gal; 1/2 oz (15 cc) in 3 gal of water.	Spray to thoroughly cover entire animal. For lice or mites, a second treatment is recommended 14-21 days later.
Ear ticks, headflies, hornflies	Mix 2 oz (60 cc) in 1 gal oil* or water for spot application	Apply 1/2 oz per ear or 2-4 oz on face or 12-16 oz on long neck backline.
<b>PESTS ON SWINE, SHEEP, POULTRY AND DOGS ONLY (Do not ship swine for slaughter within 5 days of last treatment.)</b>		
Mange mites	Mix 1 qt in 100 gal; 8 oz in 25 gal; 1 oz (30 cc) in 3 gal of water.	Spray or dip animals. Retreat after 14 days spraying walls and floor and replace bedding to kill late hatching, developing stages. Do not reapply product for 2 weeks.
Blowflies, mosquitoes, hog lice, flea, ticks, including deer ticks (carrier of Lyme disease)	Mix 1 qt in 100 gal; 8 oz in 25 gal; 1 oz (30 cc) in 3 gal of water.	Spray, paint, or dip to apply 1 pint per dog, pig or sheep, especially around ears. Do not reapply product for 2 weeks.
Poultry mites	Mix 1 qt in 50 gal; 8 oz in 12.5 gal; 2 oz (60 cc) in 3 gal of water	Spray 1/2 oz per bird, or 1 gal per 100 birds, directed toward vent area. Spray cages.

\*equal volume of mineral oil or kerosene is equivalent to 2 tablepoons or 30 cc.

**DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

USE ONLY ON DOGS AND THEIR PREMISES, HORSES, BEEF AND DAIRY CATTLE, SWINE, SHEEP AND POULTRY, AND THEIR PREMISES. Kills flies, fleas, lice, mites and ticks including deer ticks (carrier of Lyme disease) and aids in control of cockroaches, mosquitoes and spiders.

Mix PERMECTHRIN II and apply the use-diluted material to animals and pest breeding or resting surfaces at the rates shown on accompanying chart. These dilutions and rates will provide most efficient pest control under conditions of heavy pressure when good contact is achieved. Timing and frequency of applications should be based on pest populations reaching nuisance levels, but accompanying manure removal and sanitation practices should precede sprays. Do not spray feed, food or water. Do not repeat treatment for 2 weeks. Wash udders thoroughly before milking. Consult a veterinarian before using this product on debilitated, aged, medicated, pregnant or nursing animals. Do not use this product on dogs under 12 weeks old.

**Limitation of Warranty:**

Buyer assumes all risks of use, handling and storage of the product not in strict accordance with label directions. Any implied warranty of MERCHANTABILITY OR FITNESS FOR PARTICULAR USE is excluded. Liability for any incidental or consequential damage or loss is specifically excluded at all times. Seller will not accept liability for more than product replacement.

**NOTIFICATION**  
JUN 18 1998

Pat. 4486922  
EPA Fix-a-Form

**INDICATIONS**  
**READ ENTIRE LABEL BEFORE EACH USE. USE ONLY ON DOGS AND THEIR PREMISES, HORSES, BEEF AND DAIRY CATTLE, SWINE, SHEEP AND POULTRY, AND THEIR PREMISES.**  
Kills flies, fleas, lice, mites, and ticks including deer ticks (carrier of Lyme disease). Aids in control of cockroaches, mosquitoes and spiders.  
**BUYER GUIDE:** The following statements are made as a general guide to quantity of pesticide required for various applications. See chart on inside of back panel for complete directions on dilution and use.  
**Premises Use as a Spray or Fog:** 8 oz makes 6.25 gal of use-ready to-use spray when mixed with water or oil.  
**Large Animal Use:** Mix 2 oz in 5 gal or 1 qt in 20 gal of oil to charge backrubbers and oilers; mix 2 oz in 1 gal of oil or water for spot application; mix 8 oz in 50 gal or 1 qt in 200 gal of water as a spray for beef or dairy cattle and horses.  
**Swine, Sheep, Poultry and Dog Use:** Mix 8 oz in 25 gal or 1 oz in 300 gal of water as a spray, paint or dip for swine, sheep and dogs; mix 8 oz in 12.5 gal or 1 qt in 50 gal of water and spray 1/2 oz per bird or 1 gal per 100 birds for poultry.

**PRECAUTIONARY STATEMENTS**  
**ENVIRONMENTAL HAZARDS:** This product is extremely toxic to fish.  
**PHYSICAL OR CHEMICAL HAZARDS:** Do not use or store near heat or open flame.  
**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal.

**KEEP CONTAINER SEALED WHEN NOT IN USE. PROTECT FROM FREEZING**  
In case of spill on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area and dispose of in accordance with state and local regulations.  
See label for complete directions on storage and disposal.

EPA Reg. No. 4691-108 01413L-03-9709  
EPA Est. No. 62478-FI-1A First letter of run code on container denotes Est. No. of manufacturer  
44616-MO-10  
4691-KS-10  
Mfd. for **Boehringer Ingelheim Animal Health, Inc.**  
St. Joseph, MO 64506, USA  
(800) 421-2467

Boehringer Ingelheim Animal Health, Inc.