



4691-108

7/23/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ms. Angela Bishop  
Regulatory Specialist II  
Boehringer Ingelheim Vetmedica, Inc.  
15<sup>th</sup> & Oak Streets, PO Box 338  
Elwood, KS 66024

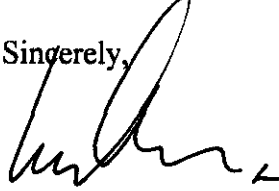
Subject: Amendment - Update First Aid and Disposal Statements  
Permethrin II  
EPA Registration No. 4691-108  
Your submission dated June 5, 2002

Dear Ms. Bishop:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable, subject to the comments listed below.

1. Under the PRECAUTIONARY STATEMENTS section, add the following statements: "Wash thoroughly with soap and water after handling. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash before reuse."

A stamped copy of the label has been enclosed for your records. If you have any questions, please call Dr. William Sproat of my team at 703-308-8587.

Sincerely,  
  
George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)

Enclosure

7505C  
SPROAT  
07/23/02

# Permethrin II

An Unmistakable  
Animal and  
Premises Spray  
With 30 Day  
Residual Effects

**Active Ingredient**  
Permethrin (CAS No. 52645-53-1) ... 10.0%  
**Other Ingredients** \* ..... 90.0%  
Total 100.0%  
\*Contains petroleum distillates  
Contains 0.75 lb. permethrin per gallon.



**NET CONTENTS: 1 Quart (946 mL)**

Code 401-411 401402L-04-9805



ACCEPTED FOR REGISTRATION  
with EPA Labeling  
in EPA Labeling  
JUL 23 2002

**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.

FIRST AID	
If Swallowed	• Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	• 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.
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 eye. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

**NOT LINE NUMBER**  
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-821-7467 for emergency medical treatment information.

**NOTE TO PHYSICIAN**  
Contains petroleum distillate - vomiting may cause aspiration pneumonia.

**ENVIRONMENTAL HAZARDS:** This pesticide is extremely toxic to fish. Use with care when spraying to areas adjacent to any body of water. For terrestrial uses, do not apply directly to areas where surface water is present or to intertidal areas below the mean high tide mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not use or store near heat or open flame.  
EPA Reg. No. 4891-108 401413L-07-0204  
EPA Est. No. 62478-FL-1A First letter of run code on container denotes Est. No. of manufacturer  
44816-MO-1B  
4891-KS-01D

Mfd. for Boehringer Ingelheim Vetmedica, Inc.,  
Joseph, MO 64506-2002, USA (800) 821-7467

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 4691-108

### READ DIRECTIONS BEFORE USING

PESTS	PERMECTHRIN II DILUTIONS FOR USE	HOW TO APPLY
<b>PESTS ON FARM PREMISES (Barns, Dairies, Loading Sheds, Milking Parlors, Feedlots, Stables, Paddock, 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 8.25 gal; 1-1/3 oz (40 cc) in 1 gal of water.**	Spray all surfaces to run-off with diluted emulsion using 1 gal per 750 sq. ft.
	Use undiluted in mist blower. In power fogger, use 1 qt in 25 gal; 1-1/3 oz (40 cc) in 1 gal of oil or water.**	Mist or fog 4 oz per 1000 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; 1.6 oz (48 cc) in 1 gal oil* to charge backrubbers.	Animals self apply. Recharge backrubber or other as needed.
Faceflies, hornflies, horseflies, stableflies, mosquitoes, lice, mites, ticks, including deer ticks (carrier of Lyme disease)	For high pressure sprayers: Mix 1 qt in 200 gal; 8 oz in 50 gal of water.	Spray to thoroughly cover entire animal. Apply from 1/2 to 1 gal of spray per head. For lice or mites, a second treatment is recommended 14-21 days later.
Faceflies, hornflies, horseflies, stableflies, mosquitoes, lice mites, ticks, including deer ticks (carrier of Lyme disease)	For hand or garden sprayers and low pressure sprayers: Mix 8 oz in 3 gal; 2.5 oz (5 tablespoons) in 1 gal or 20 mL (4 teaspoons) in 1 qt of water.	Spray each animal with up to 8 oz of mixed spray. For lice and mites, a second treatment is recommended 14 - 21 days later.
Ear ticks, faceflies, 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 along the backbone.
<b>PESTS ON SWINE, SHEEP, POULTRY AND DOGS ONLY (Do not spray 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, fleas, 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.

\*Mineral oil or non-irritating organic oil. \*\*1 oz is equivalent to 2 tablespoons 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.

### 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.

### WARRANTY AND LIMITATIONS 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 the material as to which a claim is made.

Boehringer Ingelheim Vetmedica, Inc.

**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 on a Spray or Fog: 8 oz in 8.25 gal, 1 qt in 20 gal of ready-to-use spray when mixed with water or oil.

Large Animal Use: Mix 8 oz in 5 gal or 1 qt in 20 gal of oil for 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 qt in 100 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.

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EPA Est. No. 62478-FL-1A First letter of run code on container denotes Est. No. of manufacturer  
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Mfd. for Boehringer Ingelheim Vetmedica, Inc.,  
St. Joseph, MO 64506-2002, USA  
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Pat. 4,488,823  
ECL/PL-Permethrin