



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

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

Donald A. Buss  
Coopers Animal Health Inc.  
1201 Douglas Avenue  
Kansas City, Kansas 66103-1438

JAN 23 1991

Subject: Application for Amendment  
Expar(R) Plus Fogger  
EPA Reg. No. 59-228  
Submission: July 17, 1990

Dear Mr. Buss:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

1. The lower certified limits for both the basic and alternate formulation do not match the label claim for pyrethrin and MGK-264. Please adjust either the CSF or the label to comply.
2. You cannot cite EPA Reg. No. 655-14 (Prentiss Drug) as technical source product for Pyrethrin with this formula since it only contains 2.5% active ingredient. Please submit a revised CSF.
3. Revise the footnote to PERMETHRIN to read: "cis/trans isomer ratio: min. 35% (I)cis and max. 65% (I)trans".
4. It is preferred to place a colon between the common name and chemical name for FENOXYCARB and PERMETHRIN.

Sincerely,

*Richard F Mountfort*

Richard Mountfort  
Product Manager 10  
Insecticide & Rodenticide Branch  
Registration Division

ATTACHMENT C

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

## BEST AVAILABLE COPY

FOR USE ONLY WHEN BUILDING HAS BEEN VACATED BY HUMAN BEINGS AND PETS.

Expar Plus 1 Fogger kills fleas, ticks, cockroaches and other pests hidden in carpets, floor cracks and pets' bedding. Expar Plus 1 also breaks the flea life cycle by preventing development into adults, effectively protecting your home from reinfestation. Expar Plus 1 contains an effective combination of ingredients that kills exposed pests immediately and keeps on protecting for 24 weeks. Impass Insect Growth Regulator kills flea eggs and prevents preadult fleas from developing into the adult biting stage.

### PRECAUTION STATEMENTS HAZARDS TO HUMAN AND DOMESTIC ANIMALS CAUTION

Harmful if absorbed through the skin. Causes moderate eye injury. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling.

### STATEMENT OF PRACTICAL TREATMENT

If On Skin: Wash with plenty of soap and water. Get medical attention.

If In Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not add directly to water. Do not contaminate water when disposing of equipment washwaters.

### PHYSICAL OR CHEMICAL HAZARDS

Flammable. Contents under pressure. Keep away from heat, sparks or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

### STORAGE AND DISPOSAL

Storage: Store in cool, dry place away from heat or open flame.

Pesticide Disposal: Securely wrap original container in several layers of newspaper and discard in trash.

Container Disposal: Discard container in trash. Do not incinerate or puncture.

Expar<sup>®</sup> Plus 1 Fogger  
with Impass<sup>™</sup>  
Insect Growth Regulator

- Kills adult and preadult fleas, including flea eggs.
- Prevents fleas from developing into the biting adult stage.
- One treatment kills preadult fleas for 24 weeks.
- Also kills exposed cockroaches, ticks, ants, flies, mosquitoes and spiders.

### Active Ingredients

|                                                                                                                |         |
|----------------------------------------------------------------------------------------------------------------|---------|
| Fenoxycarb ethyl (2-(4-phenoxyphenoxy)ethyl) carbamate                                                         | 1.00%   |
| Permethrin (3-phenoxyphenyl)methyl (±) cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate* | 0.60%   |
| Pyrethrins                                                                                                     | 0.02%   |
| Piperonyl butoxide, technical**                                                                                | 0.05%   |
| N-octyl bicycloheptane dicarboximide                                                                           | 0.08%   |
| Inert Ingredients                                                                                              | 98.25%  |
|                                                                                                                | 100.00% |

\*cis/trans ratio: Max 55% (±) cis and min 45% (±) trans

\*\*Equivalent to 0.04% (butylcarbyl) (6-propylperonyl) ether and 0.01% related compounds

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**  
SEE SIDE PANEL FOR  
ADDITIONAL PRECAUTION STATEMENTS

EPA Reg. No. 59-228 EPA Est. No. 499-MO-1

Net contents 10 oz avdp.

Manufactured for  
Coopers Animal Health Inc.  
Kansas City, KS 66103-1438 U.S.A.  
53 000400 0  
4-11-90

Under the provisions of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the purpose of the Act, the following information is provided:

59-228

DIRE  
It is a violation  
product in a m  
labeling.

READ ALL DI  
BEFORE USE

For use in hom  
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To protect pe  
other Coopers  
dogs and cats

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