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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 45087-39	DATE OF ISSUANCE JUN 28 1989
	TERM OF ISSUANCE	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREГИSTRATION (Under the Federal Insecticide, Fungicide and Rodenticide Act, as amended)	Name of Registrant or NAME OF PESTICIDE PRODUCT Zera Festicide Flea and Roach Spray	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Zera Corporation
 P.O. Box 12803
 Research Triangle Park, NC 27709

161 | 232 908
 18 | 1

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 6(d)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for sale:
 - a. Add the phrase "EPA Registration No. 45087-39."
 - b. Change "Active Ingredients" to the singular.
 - c. Update the Environmental Hazards statements by changing "Do not contaminate water by cleaning of equipment or disposal of wastes" to "Do not contaminate water when disposing of equipment washwaters."
 - d. How does the user apply this from the original container? We assume a spray head pump attachment is sold with this product. Thus, add the statement "Apply from original container using enclosed spray head."

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL 	DATE 6/28/89
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- e. It appears the product is to be used by the general public rather than commercial applicators. Thus, modify the front panel to read "Household Premise, Kennel, Spot Carpet . . . etc." If this product is also intended for commercial use, then additional precautionary statements regarding use in commercial food handling establishments, restaurants, etc., must be incorporated.

3. We note that the Confidential Statement of Formula (CSF) dated and submitted on January 21, 1986 shall be used to support the registration of this product. Please be advised that the "duplicate" CSF dated January 21, 1986 and submitted on September 12, 1988 differs from the original CSF with respect to columns 13.a., 13.b., and 14.a. (EPA Form 8570-4) and is therefore unacceptable and will not be used in support of the registration of this product.

4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

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ZEMA

RESIDUAL FLEA AND ROACH SPRAY

Residual Formula

Premise, Kennel, Spot Carpet Treatment

for

Control of Fleas and Cockroaches

ACTIVE INGREDIENTS:

Permethrin (3-phenoxyphenyl) methyl(1RS)-cis-trans-3-(2,2-dichloroethenyl)2,2-dimethylcyclopropanecarboxylate*	0.5%
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INERT INGREDIENTS:	99.5%
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*Cis/trans ratio min 34% (±) Cis and min 65% (±) trans

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for Additional Precautions

Net Contents: 1 Quart

Manufactured By

ZEMA CORPORATION

PO Box 12803

Research Triangle Park, NC 27709

ACCEPTED
with COMMENTS
in EPA Letter Dated:

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

45087-39

44 Water Based, Non-S()ing, Economical

No Unpleasant Odor

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PRECAUTIONARY STATEMENTS

For spot application only. Do not use as a space spray.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash with soap and water after handling. Do not use this product on Cats or Dogs. Remove birds and cover fish aquariums before spraying.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Call a physician immediately. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove affected person to fresh air. Apply artificial respiration if indicated.

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 if irritation persists.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Do not apply to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

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

This product is ready to use. Apply from original container. For control of fleas and cockroaches and other insect pests, thoroughly apply as a spray for spot treatment to infested areas such as pet beds, kennel runs, and resting quarters; nearby cracks and crevices; along and behind baseboards, windows and door frames and localized areas of floor and floor covering where these pests may be present. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment of pet area. Repeat treatment in two weeks or as often as necessary.

STORAGE & DISPOSAL

Store in locked storage area. Protect from freezing. Do not reuse bottle. Wrap bottle in paper and discard in trash.

E.P.A. REG. NO. 45087-X

E.P.A. EST. NO. 45087-NC-1