

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75 767) WASHINGTON, DC 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	1452-18	MAR 2 1989
	TERM OF ISSUANCE	
NOTICE OF PESTICIDE: REGISTRATION / Reregistration <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act)</i>		NAME OF PESTICIDE PRODUCT
		1,1-Dichloroethane

NAME AND ADDRESS OF REGISTRANT: *Include ZIP code*

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**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.

1. Make the following changes listed below before you release the product for shipment:

- Add the phrase "EPA Registration No. 1452-18."
- Change the statement "All food processing surfaces . . . water before using" to read "After spraying wash with a suitable detergent and rinse with potable water, all food processing surfaces, equipment, benches, shelves, etc. where exposed food will be handled."
- Change the statement "Do not contaminate water by cleaning of equipment or disposal of washwaters" to read "Do not contaminate water with cleaning of equipment washwaters."

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *See p. 2*

DATE: 3/2/89

3. 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 5(e). Your release for shipment of the product constitutes acceptance of these conditions.

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



Phil Hutton  
Product Manager (17)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosures



HILLO PREMISES SPRAY

EPA REG. NO. 1452-

EPA EST. NO. 1452-OH-1-

A CONCENTRATED PYRENONE MICRO EMULSION

- CLEAR - STABLE -

LEAVES NO OILY OR OBJECTIONABLE RESIDUES

EFFECTIVE, FAST ACTING INSECTICIDE

KILLS AND REPELS BITING FLIES

FOR USE IN HOMES, INSTITUTIONS, RESTAURANTS, FOOD PROCESSING  
PLANTS, DAIRIES, AND LIVESTOCK

AND

OUTDOORS FOR MOSQUITO CONTROL

FOR CONTROL OF FLEAS AND BROWN DOG TICKS ON PREMISES AND ON PETS

ACTIVE INGREDIENTS:

Pyrethrins.....	0.10%
*Piperonyl Butoxide, Technical.....	1.00%

INERT INGREDIENTS.....	98.90%
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\*Equivalent to min. 0.8% (butylcarbityl) (6-propylpiperonyl) ether and 0.2% related compounds.

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

See back panel for additional cautions

PYRENONE - Registered Trademark of Fairfield American Corporation.

DO NOT TRANSPORT OR STORE UNDER 32°F

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

NET CONTENTS: \_\_\_\_\_

MAR 2 1989

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

1452-18

## DIRECTIONS FOR USE

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

### INDOOR APPLICATION:

The use of this product in food processing establishments should be confined to time periods when the plant is not in operation. Food should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned with potable water before using.

Vacate treated areas and ventilate before reoccupying.

For maximum effectiveness, a combination of spot, surface treatment and fogging is recommended.

**SURFACE SPRAYING:** To control cockroaches, palmetto bugs, ants, silverfish, spiders, crickets, clovermites, cheese mites, granary weevils, rice weevils, confused flour beetles, rust red flour beetles, sawtoothed grain beetles, spider beetles, cigarette beetles, drugstore beetles, meal worms, grain mites and cadelles:

Use a good sprayer adjusted a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery, behind shelves and drawers, behind and beneath sinks, stoves, refrigerators and cabinets, along baseboards, around door and window frames, into dark corners and in and around garbage compactors, garbage chutes and cans. For silverfish, spray bookcases. For ants, spray trails, nests and points of entry. If surface application only is to be used, spray floors and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

In case of infested foods in cabinets, dispose of the infested material. Remove all contents and clean thoroughly. Spray interior surfaces of empty cabinets thoroughly. After spray has dried, cover shelves with paper or otherwise protect foods from direct contact with sprayed surfaces.

To control carpet beetles: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment as needed.

~~To control bedbugs: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, mouldings and floors. Repeat treatment as needed.~~

To control fleas and brown dog ticks: Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, mouldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment as needed.

To control clothes moths: Remove any infested articles from storage, brush thoroughly and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly keeping nozzle at least three feet from fabric to avoid staining.

SPACE SPRAYING: Close doors, windows and transoms and shut off ventilating systems. Apply with a good machine adjusted to deliver a fine mist or fog. For rapid control of house flies, fruit flies, gnats, mosquitoes, skipper flies, wasps, hornets, Angoumois grain moths, Mediterranean flour moths, Indian meal moths and tobacco moths, direct spray at an upward angle distributing it uniformly throughout the entire area at a rate of 3-6 ounces per 1000 cubic feet of space. Do not remain in treated areas. If insects have not dropped to floor in 3 minutes, repeat spraying as quantity sprayed was insufficient. Ventilate the area after treatment is completed. To aid in the prevention of breeding, spray on standing water and in garbage pails.

FOGGING: To kill exposed or accessible stages of the above named crawling insects, use a rate of 1 gallon to 20,000 to 40,000 cubic feet of space. Contact insects directly whenever possible.

ON LIVESTOCK: To protect cattle, horses and hogs from horn flies, house flies, mosquitoes and gnats apply a light mist sufficient to wet the surface of the hair. To control stable flies, horse flies and deer flies, apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

To control blood-sucking lice, apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 2 to 3 weeks if required.

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~~To control poultry lice, spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.~~

For control of bedbugs and mites in poultry houses, spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

ON PETS: Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly. Do not spray into eyes or face. Avoid contact with genitalia. Repeat as necessary.

#### OUTDOOR APPLICATIONS

ADULT MOSQUITO CONTROL: Apply as a fine mist to thoroughly treat the entire area. For best results, treat when the wind velocity does not exceed 5 miles per hour. Treat shrubbery or vegetation where mosquitoes may rest (low, marshy places, stagnant pools or ponds and shore lines). Apply at a rate of 2.5 pints per acre (0.1 ounce per 100 square feet). Using truck-mounted conventional misting equipment such as Rotomist models 51C, 91 or 100HT traveling at 5 m.p.h. to treat a 300 foot swath calibrate equipment to deliver 0.9 gallon per minute.

OUTDOORS: (Camping, fishing, hunting) - Spray outer clothing and surroundings. Repels biting flies, mosquitoes, midges and gnats. If sprayed every hour or so will aid in keeping surroundings free from mosquitoes. Do not pour or squirt - use a good sprayer which will throw a heavy fine mist.

#### STORAGE AND DISPOSAL

Containers larger than one gallon:

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

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste. Protect from freezing.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved State and local procedures.

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Containers one gallon or less:

STORAGE: Store in original container in a cool dry place inaccessible to children and pets. Protect from freezing.

DISPOSAL: Wrap container in several layers of newspaper and discard in trash.

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTIC.

Harmful if swallowed. Avoid contamination of feed and foodstuffs. Remove pets, birds and cover fish aquaria before space spraying or surface applications.

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 victim 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 toxic to fish. Do not apply directly to lakes, ponds, streams, tidal marshes or estuaries. Do not contaminate water by cleaning of equipment or disposal of wastes.

Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herein.