



PM 13 42737-10

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	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number: 42737-10	Date of Issuance: DEC - 7 1995
	NOTICE OF PESTICIDE: <u> X </u> Registration <u> </u> Reregistration (under FIFRA, as amended)	Term of Issuance: Conditional	
		Name of Pesticide Product: FLAK 50-50	
Name and Address of Registrant (include ZIP Code): VECTEC, INC. 6984 VENTURE CIRCLE ORLANDO, FL 32807			
Note: Changes in labeling 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 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. Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 sec. 3(c)(7)(A) provided that you: 1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Make the following label changes: a. Revise the EPA Registration Number to read, "EPA Reg. No. 42737-10." b. The chemical name for Permethrin as listed in the ingredient statement must be revised as follows: "(3-Phenoxyphenyl)methyl (+) cis/trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate." c. The following footnote to Permethrin must be placed directly below the ingredient statement: "* cis/trans isomer ratio: min. 35% (+) cis and max. 65% (+) trans."			
Signature of Approving Official:  George T. LaRocca, Product Manager (13)		Date: DEC - 7 1995	

EPA Form 8570-6

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- d. The statement: "Equivalent to 80% (butylcarbityl) (6-propyl-piperonyl) ether and 20% related compounds" must be deleted after "Piperonyl Butoxide Technical" in the ingredient statement. The following footnote to Piperonyl Butoxide Technical must be placed directly below the ingredient statement.

"** Equivalent to 38.10% (butylcarbityl) (6-propylpiperonyl) ether and 9.53% related compounds."

- e. In the environmental hazards section, add the statement, "Do not apply when wind speeds exceed 10 mph."

3. Submit three copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

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FLAK[®] 50-50

For Application only by Public Health Official and Trained Personnel of Mosquito Abatement Districts Programs. An All Temperature, Quick knockdown, Low Odor, Non-Corrosive Synergized Synthetic I Adult Mosquitoes, In Residential, And Recreational Areas. Also for Use Against Biting and Non-Biting



Net Weight 9.128 lbs. per Gallon
This Product Contains
4.35 lbs. Technical Permethrin A.I.
4.35 lbs. Technical Piperonyl Butoxide A.I.

ACTIVE INGREDIENTS:

Permethrin (3-phenoxyphenyl)methyl(+/-)
cis/trans 3-(2,2-dichloroethenyl) 2,2-
dimethyl cyclopropanecarboxylate - - - - 47.63%
Piperonyl Butoxide Technical
Equivalent to 80% (butylcarbityl)
(6-propylpiperonyl)ether and
20% related compounds - - - - 47.63%
INERT INGREDIENTS: - - - - 4.74%
Total 100.00%

KEEP OUT OF REACH OF CHILDREN
CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration hazard. IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration. IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists. IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. G
NOTE TO PHYSICIAN: *Solvent presents an aspiration hazard. Gastric lavage is indicated if material was taken internally. Vomiting may cause aspiration pneumonia.
(50-50-EX PM5108-22-95)

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. I

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after using and before eating or smoking. Avoid contamination of food and feed. May cause contact sensitization following repeated contact with skin in susceptible individuals.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated sites may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, or store near heat or open flame.

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry, locked place designated for such insecticides and out of reach of children. Avoid exposure to extreme temperatures. In case of spillage, soak up with absorbent material such as sawdust, or fullers earth, sweep up and place in a labeled container and dispose of as follows. **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:** (Metal) 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. (Plastic) 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.

Notice of Non-Warranty

Vectec, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Vectec, Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Vectec, Inc. and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL VECTEC, INC. OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

AERIAL APPLICATION

The use of specially designed aircraft capable of applying ULTRA LOW VOLUMES of FLAK[®] 50-50 at above recommended rates may be considered necessary when conducted at the discretion of Public Health Officials, Mosquito Abatement Districts and other trained personnel engaged in OUTDOOR Mosquito & Biting Fly control programs when these insects threaten to become a public health hazard.

PROHIBITION ON AERIAL USE IN FLORIDA: Not for aerial application in Florida unless specifically authorized by the Bureau of Entomology, Florida Department of Agriculture and Consumer Services.

THERMAL AEROSOL

TRUCK MOUNTED: Apply FLAK[®] 50-50 with suitable thermal spray nozzle using a suitable non-phytotoxic diluent at speeds of 5 mph up to 20 mph. For use with hand carried sprayers, use a suitable non-phytotoxic diluent at speeds of 5 mph up to 20 mph. For use with hand carried sprayers, use a suitable non-phytotoxic diluent at speeds of 5 mph up to 20 mph. Do not wet foliage since certain oil base formulations may cause phytotoxicity. Do not exceed 5 miles per hour. Use a clean, well maintained and FLAK 50-50 to deliver the following amounts, (within the range of 0.00175 to 0.007 lbs. Permethrin A.I. per acre + 0.00175 to 0.007 lbs. Piperonyl Butoxide A.I. per acre).

NON-THERMAL AEROSOL

FLAK[®] 50-50 may be applied undiluted or diluted with a suitable non-phytotoxic diluent. FLAK[®] 50-50 is recommended for use as an aerosol (cold fog) to control adult mosquitoes in residential areas, such as but not limited to parks, campsites, woodlands and municipalities, gardens, playgrounds, recreational areas. **To control Mosquitoes, Midges and Blackflies, apply FLAK[®] 50-50 as a non-thermal aerosol spray with droplet median diameter (MMD) of 10 to 20 microns. Apply the product at a rate of 0.00175 to 0.007 pounds of the active ingredient per acre according to vegetation density and mosquito population. Do not apply this product within 100 feet (30 meters) of lakes, ponds, pastures, cropland, poultry ranges, or water supplies. Active and weather conditions are conducive to keeping the wind speed not greater than 10 m.p.h. Applications during the day are preferable. Repeat treatment as needed.**

AS A BARRIER USE A "BACKPACK"

FLAK[®] 50-50 may be applied as is, undiluted or diluted with a suitable non-phytotoxic diluent. For use in non-thermal ULV portable backpack equipment to deliver ULV particles of 50 to 100 microns mass median diameter (MMD) while walking at a speed of 2 m.p.h. (3.2 k.p.h.). Use the same amount of A.I. (0.1 lb.) is applied per acre.

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ACCEPTED
with COMMENTS
in EPA Letter Dated

DEC - 7 1995

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

42737-10

EPA

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