

DEC - 8 1988

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Ms. Dawn A. Smith
Micro-Flo Company
Route 1, Box 190
Sparks, GA 31647

Dear Ms. Smith:

Subject: Amendment - Change of Product Name and Proposed Labeling
Micro-Flo DDVF EM-2
EPA Registration No. 51036-5
Your Application Dated May 6, 1988

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling.

1. Change "Part II" to "Part III" (alone) in the Precautionary Statements.
2. Change "do not use equipment or machinery for cleaning of equipment or machinery" to "do not use equipment or machinery for cleaning of equipment or machinery" under the Disposal section.
3. Change "GENERAL DIRECTIONS" to "GENERAL DIRECTIONS" (alone) in the Directions section.
4. Add the statement "It is a violation of Federal law to use this product in a manner inconsistent with the labeling" to the beginning of the Directions section.

50056;J;Newark;LA-14;KEMCO;12/8/88;1/30/89;NO/NO;EPA/DOH;EPA/DOH

CONCURRENCES

| | | | | | | | |
|---------|--|--|--|--|--|--|--|
| SYMBOL | | | | | | | |
| SURNAME | | | | | | | |
| DATE | | | | | | | |

5. Revise the paragraph beginning:

IMPORTANT PRECAUTIONS: Do not apply to young cattle . . .

to read:

IMPORTANT PRECAUTIONS WHEN APPLYING TO ANIMALS

Do not apply to young calves under 6 months old. After treating dairy cattle, wash the teats with an approved cleaning solution and then dry them prior to milking. Do not treat sick or convalescing animals. Do not treat Brahman or Brahman-Cross cattle, as they may show hypersensitivity to organophosphate insecticides. Do not apply dermally in conjunction with Trichlorfon and do not use on animals simultaneously or within a few days before or after treatment with, or exposure to, cholinesterase-inhibiting drugs, pesticides, or chemicals.

The change in product name to Micro-Flo DDVP EM-2 is acceptable. Please refer to this name in future correspondence.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

Sincerely yours,

George T. Zahner
Product Manager (35)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

DEC 03 1988

MICRO FLO

Under FIFRA, this pesticide,
Fungicide, is registered under Act 98
amended for this pesticide
registered under EPA Reg. No.

DDVP EM-2

57036-5

For Industrial/Agricultural Use Only

ACTIVE INGREDIENTS

| | |
|--|--------|
| 2,2-Dichlorovinyl Dimethyl Phosphate | 22.0%* |
| Related Compounds | 1.7%* |
| INERT INGREDIENTS. ** | 76.3% |
| TOTAL | 100.0% |

*Equivalent to 23.7% Vapona Insecticide

**Contains Xylene Range Aromatic Solvent

KEEP OUT OF REACH OF CHILDREN

SKULL +
CROSSBONES

POISON

SKULL +
CROSSBONES

DANGER PELIGRO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta la etiqueta haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE vomiting unless other treatment is not available. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting give victim one or two glasses of water and insert finger in back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove victim to fresh air and apply artificial respiration if needed.

IF ON SKIN: Remove contaminated clothing and wash affected areas immediately with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

NOTE TO PHYSICIAN - POISONING SYMPTOMS: Symptoms include weakness, headache, tightness in chest, blurred vision, nonreactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

TREATMENT: Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation Atropine Sulfate should be injected at 10-minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Morphine is contraindicated. 2 PAM is also antidotal and may be administered in conjunction with Atropine. Clear chest by postural drainage.

Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by a blood test.

See Additional Precautionary Statements on Left Panel

EPA Reg No 51036-5

EPA Est No 51036-GA-1

Manufactured By
MICRO FLO COMPANY
ROUTE 1 BOX 190
SPARKS, GEORGIA 31647

NET CONTENTS. _____

88 Rev. A

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PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals

DANGER

DDVP is poisonous if swallowed, inhaled, or absorbed through the skin or eyes. Do not get on skin or in eyes. Do not breathe fumes. Avoid prolonged exposures to fumes. Wear natural rubber gloves, protective clothing and goggles when handling the concentrate to prepare emulsions. Wear a pesticide respirator jointly approved by the National Institute for Occupational Safety and Health under the provisions of Part II of Title 30 of the Code of Federal Regulations. Keep all unprotected persons out of operational area.

In case of contact, wash immediately with soap and water. Wash hands, arms and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly 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.

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

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

STORAGE Store product in original container in a cool, dry, locked place out of reach of children.

PESTICIDE DISPOSAL Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL (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.

GENERAL DIRECTIONS

DDVP EM-2 kills flies, mosquitoes, wasps, ants, fleas, roaches, waterbugs, spiders, silverfish, gnats and flying moths

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS, WARNINGS AND DIRECTIONS

INDOOR PEST CONTROL

SPRAYING

Households and the Non-Food Areas of Restaurants, Theaters, Food Processing Plants, Industrial Plants, Warehouses

INSECTS - Flies, Mosquitoes, Wasps, Gnats, Flying Moths, and other small flying insects Cockroaches, Ants, Spiders, and Silverfish

MIXING RATE - Use a 0.5% Spray Solution by mixing 1 pint of this product with 6 gallons of water.

HOW TO APPLY - Apply 0.5% spray with a low pressure sprayer to localized areas insects may infest. Treat areas around baseboards, cracks, walls, door and window frames, and localized areas of floors. Do not apply to areas which will be contacted frequently by children and do not allow them in treated areas until surfaces are dry. Do not contaminate food, water, food containers or cooking utensils. Do not treat animals. Do not use in edible products areas of food process - plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed

FOGGING AND MISTING

FOOD PROCESSING PLANTS, INDUSTRIAL PLANTS, THEATERS, WAREHOUSES, (SPACE SPRAY ONLY)

INSECTS Fleas, Ants, Roaches and Silverfish

MIXING RATE Use a 1.0% Fogging or Misting Solution by mixing 1 quart of this product with 6 gallons of water or 7 gallons of deodorized kerosene

HOW TO APPLY Apply with fogging or misting equipment at the rate of 1 gallon of 1% fogging solution per 64,000 cubic feet for control of flies. When fogging for control of roaches, ants, and silverfish, the fog should be directed

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(into cracks and crevices and hiding places. Apply when plants are not in operation. Occupants should vacate before indoor treatments and should not reoccupy the premises until they have been ventilated. After application open several windows and doors to create air currents to insure reduction of the insecticide vapors. Food should be removed and food handling equipment covered with wrapping paper before application or washed with a suitable cleaning compound and potable water after the application is completed. PRECAUTIONS WHEN FOGGING OR SPRAY MISTING - Wear a pesticide respirator jointly approved by the Mine Safety and Health Administration and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

NOTE: The solvent and/or the Active Ingredients in this product may stain certain plastic, rubber, asphalt and/or carpeted floor coverings. DO NOT TREAT NOR ALLOW THIS PRODUCT TO COME IN CONTACT WITH SUCH SURFACES OF FLOORS, CARPETS OR RUGS SINCE DAMAGE MAY OCCUR.

OUTDOOR PEST CONTROL

FOGGING AND MISTING

OUTDOOR LIVING AREAS, PICNIC AREAS, BACKYARD AREAS, PATIOS, LOADING DOCKS, OUTDOOR LATRINES, PARKING AREAS, REFUSE AREAS AROUND SERVICE STATIONS, OPEN AIR DRIVE-INS, ICE CREAM STANDS, GARBAGE COLLECTION AND DISPOSAL AREAS

(INSECTS: Flies, mosquitoes, gnats

MIXING RATE: Use a 1% fogging and misting solution by mixing 1 quart with 6 gallons of water or 1 quart with 7 gallons of diesel oil.

HOW TO APPLY: Apply the 1% fogging solution with fogging apparatus or mist blowers at the rate of 5 to 10 pints per acre, equivalent to 0.05 to 0.1 pound DDVP insecticide per acre. Do not treat areas where food or feed crops are growing.

AS A SPRAY: For the control of flies, gnats, mosquitoes, roaches, fleas, ants, scowbugs, and brown dog ticks, use a 0.5% spray solution by mixing 1 pint of this product with 6 gallons of water or 1 pint in 7 gallons of diesel oil. Apply as a coarse wet spray at the rate of 1 quart per 1,000 sq ft. Do not treat animals or humans. Do not contaminate water, food, food containers, or cooking utensils. Repeat as necessary.

This product may be used as a 1% to a 3% fog or mist solution to control flies, mosquitoes, wasps, gnats and other small flying insects in outdoor areas.

MANURE PILES, GARBAGE DUMPS

For the control of fly maggot breeding areas apply at the rate of 1 to 2 quarts of 0.5% spray solution per 100 sq ft (Use 1 quart of 1% solution)

DOG KENNELS

Apply to outside dog runways, window sills and ledges at the rate of 1 quart of 0.5% spray solution per 1,000 sq. ft. For the control of fleas, and brown dog ticks, increase dosage to 2 quarts of 0.5% spray per 1,000 sq ft. NOTE Remove dogs and cover or remove feed and water before treating.

ANIMAL BUILDINGS

HORSE BARN, DAIRY BARN, SHELTER SHEDS, MILK SHEDS, PIG PENS, OUT-DOOR AREAS

AS A SPRAY. INSECTS - Flies, gnats, mosquitoes, roaches, fleas, ants, sowbugs, and brown dog ticks.

IMPORTANT - Applicator should wear an approved respirator when using this product indoors and should vacate the area after treatment. See Precautions

MIXING RATE. Use a 0.5% spray solution by mixing 1 pint of this product with 6 gallons of water. Apply as a coarse wet spray at the rate of 1 quart per 1,000 sq ft.

HOW TO APPLY. Before applying in enclosed areas, reduce air movement as much as possible by closing doors, windows and other openings. Spray around doorways, feed storage rooms, alleyways, and window sills. Do not contaminate milk or milking utensils. Do not treat animals or humans. Do not contaminate water, feed or foodstuff. Repeat as necessary. Animals may be present during treatment. In poultry houses apply to manure, window sills, outside of penned enclosures and on floor of feed storage rooms.

AS A FOG. INSECTS - Flies, gnats, mosquitoes

IMPORTANT PRECAUTIONS. Remove animals before fogging. Applicator must not remain in treated area. Start application at far end of building and backup toward exit while treating. Keep area closed for at least 10 minutes.

to kill resting adult flying insects. After treatment the area should be opened up and ventilated prior to reoccupying by humans or animals.

MIXING RATE. Use a 0.5% to 1.0% fogging solution by mixing 1 pint of this product with 7 gallons diesel oil for 0.5% and for 1.0% dilute 1 quart per 7 gallons of diesel oil.

HOW TO APPLY. Apply with fogging or misting equipment at the rate of 1 quart of the 0.5% solution or 1 pint of the 1.0% solution per 8,000 cubic feet. Before applying reduce air movement as much as possible by closing doors, windows, and other openings. Do not contaminate water, feed or foodstuffs, milk or milking utensils. Do not use in areas where animals have received direct application of DDVP within 8 hours.

CATTLE FEED LOTS, STOCKYARDS, HOLDING PENS, CORRALS

INSECTS. Flies, gnats, mosquitoes

MIXING RATE. Use a 0.5% DDVP solution by mixing 1 pint of this product with 6 gallons of water.

HOW TO APPLY. Apply with a mist blower or other suitable equipment as an overall application at the rate of 0.2 pounds of Technical DDVP per acre (approximately 5 gallons of the 0.5% solution). Particular attention should be given to areas where flies congregate such as fences, spillage areas, around feed bunks, and walls of building. Animals may be present during treatment. Avoid direct application to exposed feed and water.

DAIRY AND BEEF CATTLE APPLICATIONS

AS A SPRAY INSECTS - Horn flies, stable flies, face flies, house flies, mosquitoes

MIXING RATE. Use a 1.0% DDVP solution by mixing 1 quart of this product with 6 gallons of water.

HOW TO APPLY. Apply 2 fluid ounces per animal as a mist with hand or an automatic sprayer. Spray to cover all parts of the animal, including the legs but do not wet the skin. Do not apply in excess of 2 fluid ounces per animal per day. This may be made in two applications of one ounce in morning and one ounce in the evening. For horn flies, direct the spray to the back line, withers, and belly. For face flies, spray the forehead taking care to avoid getting spray in eyes.

IMPORTANT PRECAUTIONS. Do not apply to young calves under 6 months old. After treating dairy cattle, wash the teats with an approved cleaning solution and then dry them prior to milking. Do not treat sick or convalescing hypersensitivity to organophosphate insecticides. Do not apply dermally in conjunction with Trichlorfon and do not use on animals simultaneously or within a few days before or after treatment with, or exposure to, cholinesterase inhibiting drugs, pesticides or chemicals.

FOR BAITED SOLUTION, sugar may be added at the rate of 1 pound per gallon of the 10% solution. To use for control of face flies apply approximately 3 ml of this to the forehead of the animal by making a single 6 inch stroke with a paint brush. Treat in morning while dairy animals are in the barn.

TOBACCO WAREHOUSES

AS A FOG: INSECTS - Cigarette beetles and tobacco moths in a closed warehouse storing unfinished tobacco only.

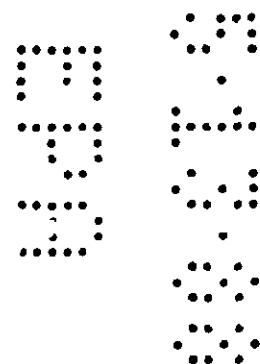
MIXING RATE. Use a 2% fogging solution by mixing 2 quarts of this product with 7 gallons of odorless oil or other oil solvents used for diluting insecticides for fogging. Solvents must be non-flammable and known to be safe for use in tobacco warehouses.

HOW TO APPLY: Apply the 2% fogging solution at a rate of 19 to 38 ounces per 10,000 cubic feet (10 to 20 grams of DDVP per 10,000 Cu. Ft.). Make applications as often as necessary to maintain control. Prepare the warehouse for treatment by closing all doors, windows, and ventilators. Lock or barricade all entrances, post warning signs and take whatever precautions are necessary under the circumstances to prevent unprotected humans or domestic animals from entering area.

It is generally desirable to make the applications in the late afternoon in order that the warehouse can be closed all night. All work in the warehouse must be suspended while warehouse remains closed. ~~Workmen may enter~~ the warehouse the morning after treatment after the area has been adequately ventilated. The fogging apparatus and operator should remain outdoors and the fog directed into the warehouse. Operator must wear a full face mask. See precautionary statement. Operator must wear gloves and be clothed to protect neck and all other skin surfaces.

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All statements concerning the use of this product apply only when used as directed. THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL. Read all directions carefully.

D.O.T. - PQ, DICHLOPVOS SOLUTION, POISON B, NA 2783



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