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Pm15

REG. # 5481-28

AUG 8 1985

300/152290
17/3

H. R. McLane
Anvac Chemical Corporation
4100 East Washington Blvd.
Los Angeles, CA 90023

Dear Mr. McLane:

Subject: Amendment - L.I.P. Submission
Alco Ciotox Concentrate
EPA Registration No. 5481-28
Your Application Dated May 24, 1985

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

1. Delete "APPROVED FOR" on the front panel. Language stating or implying that the product is recommended or endorsed by any agency of the Federal Government is not acceptable. See Federal Register Vol. 49, September 26, 1984, p. 37975.
2. The preferred name for the second active ingredient is Aromatic petroleum distillate.
3. Delete "regularly" in the statement "Do not apply regularly to calves under six months of age."
4. Relocate PRECAUTIONS IN USE to follow mixing directions and before directions for use on animals.
5. Change the Storage and Disposal statement in keeping with PR Notice 83-3. See enclosed sample label.

The directions for dilutions are given twice. You may, for example, state "Prepare a 1% solution (see dilution table)" rather than re-describe dilution procedures.

This product is registered under the name given above. A change in product name is not necessary.

RD;DIS;JOB:85842;LaROCCA;RD/44;Kendrick;898-1270;8/5/85;Del:8/15/85;hw

CONCURRENCES

SYMBOL ▶								
SURNAME ▶								
DATE ▶								

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

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

Sincerely yours,

George T. LAROSA
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (28-767C)

Enclosures



COMFILE B:5481-28.AMD
EPA REG. NO. 5481-28
CIOTOX CONCENTRATE with CIODRIN

AMENDMENT L.I.P.

PAGE 1 OF 3

ALCO

**CIOTOX CONCENTRATE
WITH CIODRIN®**

APPROVED FOR DIRECT USE ON DAIRY AND
BEEF CATTLE, SHEEP, GOATS, HOGS.
FOR CONTROL OF STABLE FLIES, HORN FLIES,
HOUSE FLIES, LICE AND TICKS.

ACTIVE INGREDIENTS	% BY WT.
Dimethyl phosphate of alpha-methylbenzyl	
3-hydroxy-cis-crotonate	14.57
Aromatic petroleum hydrocarbons	76.03
INERT INGREDIENTS	9.40
	100.00

Contains 1.1 pounds Ciodrin® per gallon
© Ciodrin Reg. T.M. Shell Chemical Co.

**ACCEPTED
COMMENTS
EPA Letter Dated:
AUG 8 1985**

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
5481-28

KEEP OUT OF REACH OF CHILDREN

W A R N I N G

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. If possible vomiting should be induced under the supervision of a physician. Give victim 1 or 2 glasses of water and touch back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Vomiting may cause aspiration pneumonia. Product contains an Aromatic Petroleum distillate.

IF IN EYES: Flush eyes with plenty of water. Get medical attention immediately.

IF ON SKIN: Remove contaminated clothing and wash affected area with soap and warm water. Get medical attention.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention immediately.

NOTE TO PHYSICIAN: This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with Atropine.

See Side/Back Panel For Additional Precautionary Statements

EPA REG. NO. 5481-28-AA

EPA EST. NO. 5481-CA-1

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NET CONTENTS 1 GALLON(S)

AMVAC CHEMICAL CORPORATION

4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023

EPA REG. NO. 5481-28

CIOTOX CONCENTRATE with CIODRIN

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

WARNING: Hazardous if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating or smoking. During commercial or prolonged exposure in spray mixing and loading operations, wear clean rubber gloves and a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and by the National Institute for Occupational Safety and Health under the provision of 30 CFR Part II. See NOTE TO PHYSICIAN under STATEMENTS OF PRACTICAL TREATMENT.

ENVIRONMENTAL HAZARDS

Do not contaminate water by cleaning of equipment or disposal of wastes. This product is toxic to fish and wildlife. Do not apply directly to any body of water. Do not apply where runoff is likely to occur. Use only as specified on this label.

CHEMICAL AND PHYSICAL HAZARDS

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

DIRECTIONS FOR USE

It is 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 container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

ALCO CIOTOX CONCENTRATE is a pesticide spray especially formulated for control of ornamental parasites on flowers. It has been approved for use on many plants and such use will not cause soil contamination.

**READ ENTIRE LABEL BEFORE USING.
USE ONLY AS DIRECTED ON THIS LABEL.**

DIRECTIONS FOR USE: ALCO CIOTOX CONCENTRATE is used in varying concentrations to meet the requirements of different types of control. The following table will be of help in determining the amount of concentrate to use to make the desired solution.

PERCENT CONCENTRATION DESIRED	AMOUNT OF CONCENTRATE	TO MAKE THE FOLLOWING AMOUNTS OF FINISHED SPRAY
2%	7 quarts 1 pint	12 gallons
	2 quarts 1 1/2 pints	6 gallons
1%	4 quarts	12 gallons
	2 quarts	6 gallons
0.5%	2 quarts	12 gallons
	1 quart	6 gallons
0.1%	1 pint	16 gallons
0.25%	2 1/4 pints	16 gallons

Do not exceed the recommended amounts of concentrate when making spray solutions, whether making larger or smaller quantities of spray.

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AMVAC CHEMICAL CORPORATION

4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023

FOR CONTROL OF STABLE FLIES, HORN FLIES, HOUSE FLIES, LICE AND TICKS ON DAIRY CATTLE, BEEF CATTLE, SHEEP, GOATS, AND HOSE.

Prepare a 1% concentration by mixing 2 quarts ALCO CIOTOX CONCENTRATE in 8 gallons of water. Apply as a spray to thoroughly cover all parts of the animal, including legs, using 1 to 2 pints per animal the size of an adult cow, proportionately less for smaller animals. Do not apply more often than every seven days.

For spraying livestock in feed pens or stalls with high pressure spray equipment, use a spray to not exceed 0.5% concentration. For a 0.5% concentration, mix 2 quarts ALCO CIOTOX CONCENTRATE in 12 gallons of water. Apply to thoroughly cover all parts of the animal's body and legs, avoiding excessive spraying of the feed. Apply at the rate of 1 to 2 quarts per animal the size of an adult cow, proportionately less for smaller animals. Do not apply more often than every 7 days. Fly control will be improved by the addition of one pound of sugar to each 8 gallons of spray. Repeat above instructions as necessary to maintain control but not more often than every 7 days.

FACE FLY CONTROL, LOW VOLUME APPLICATION

Prepare a 1% concentration by mixing 90 and 1/2 teaspoons ALCO CIOTOX CONCENTRATE in 14 pints of water. Use a calibrated sprayer and apply 6 teaspoons of spray to the face and a total of 8-10 teaspoons to the back and sides of the animal. Do not treat more often than once every 7 days. Improved control may be achieved by the addition of 1 level teaspoon of sugar per pint of spray.

PRECAUTIONS IN USE: BRAHMAN CATTLE SHOULD NOT BE TREATED AS THEY MAY SHOW HYPERSENSITIVITY TO ORGANIC PHOSPHATES. Do not apply regularly to calves under 6 months of age.

AREA FLY CONTROL TREATMENT TO INCLUDE DAIRY BARN, ANIMAL BARN, WALLE, BAYNS, FENCES, OTHER FARM BUILDINGS, (DO NOT TREAT POULTRY HOUSES) FLY BREEDING AREAS.

TO CONTROL HOUSE FLIES, STABLE FLIES, FACE FLIES: Prepare a 1% concentration by mixing one gallon of ALCO CIOTOX CONCENTRATE in 12 gallons of water. Apply spray solution to inside and outside wall surfaces, other vertical surfaces on barns (including dairy barns), coops, fences, window sills, ground diagonally, other resting or fly breeding areas at least every two weeks. Apply at the rate of 1 gallon of spray solution to each 1000 square feet. House fly and face fly control will be improved by the addition of 1 pound of sugar to each 8 gallons of finished spray solution.

STABLE FLY, HOUSEFLY, HORN FLY AND FACE FLY CONTROL ON DAIRY AND BEEF CATTLE:

Prepare a 2% concentration of ALCO CIOTOX CONCENTRATE by mixing 7 1/2 pints in 8 gallons of water. Apply as to thoroughly cover all parts of the animal's body, including the legs at the rate of 2 ounces of spray per animal. Make daily applications using conventional hand or power sprayers. Control will be improved by the addition of 1 pound of sugar to each six gallons of spray solution.

LICE AND WINTER TICK CONTROL ON DAIRY CATTLE, BEEF CATTLE, SHEEP, GOATS AND HOSE.

Prepare either a 0.1% concentration or a 0.25% concentration. Mix 1 pint of ALCO CIOTOX CONCENTRATE in 16 gallons of water for a 0.1% or 2 1/2 pints in 16 gallons for a 0.25% concentration. Spray animals thoroughly using up to 2 gallons of 0.1% concentration or 1 gallon of the 0.25% concentration per animal. Make a second application 14 days later. Repeat applications as necessary to maintain control but not more often than every seven days.

BACK RUBBER OR FACE RUBBER APPLICATIONS: FACE FLY AND HORN FLY CONTROL ON DAIRY AND BEEF CATTLE.

Mix one quart ALCO CIOTOX CONCENTRATE in 4 gallons back rubber oil. This may be done hot or other oil in accordance with local recommendations. Charge the back rubber or face rubber with the solution. Recharge as necessary. **DO NOT SPRAY ANIMALS WITH THIS SOLUTION.** Back rubbers or face rubbers should be placed strategically around the pasture and/or feeding area, especially near feed bunkers, water facilities or shade areas. For back rubbers, apply at the rate of one gallon of solution for each twenty linear feet.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to manufacturer and/or seller, and buyer assumes the risk of any such use.

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