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JUN 27 1987

Mr. H.R. McLane, Authorized Agent  
AMVAC Chemical Corporation  
H.R. McLane Company, Inc.  
7210 SW. 57th Avenue, Suite 212A  
Miami, FL 33143

Dear Mr. McLane:

Subject: Amendment - Label Update  
ALCO TICK-TOX  
EPA Registration No. 5481-36  
Your Amended Application Dated November 21, 1986

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:

- Revise the Note to Physician statement to read similar to the following:

Note to Physician: Dioxathion is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

You may retain the signs of cholinesterase inhibition.

91970: Hayward: LR-14: KENCO: 2/6/87: 3/19/87: BP: VO: JS: EK: TAR

CONCURRENCES

SYMBOL ▶							
SURNAME ▶							
DATE ▶							

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. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosure

\AMVAC\5481-36.AMD HD #17  
EPA Reg. No. 5481-36-AA  
DIOXATHION MRID #037801  
L.I.P. AMDMT DATE 11-21-86



**RESTRICTED USE PESTICIDE**  
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators certification.

\*picture  
(Flea)  
\*picture  
(Tick)  
\*picture  
(Mite)

**ALCO**  
**tick - tox™**

**ACCEPTED**  
COMMENTS  
EPA Letter Dated:

JUN 27 1987

**FOR RESIDUAL CONTROL OF**  
**FLEAS - - BROWN DOG TICKS - - CLOVER MITES**

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

5481-36

<b>ACTIVE INGREDIENTS:</b>	
Dioxathion: [2,3-p-dioxanedithiol s,s-bis-(O,O-diethyl phosphorodithioate) . . . . .	33.0%
Related Compounds . . . . .	14.0%
<b>INERT INGREDIENTS:*</b> . . . . .	<u>53.0%</u>
Total	100.0%

\*Contains Petroleum Distillate

KEEP OUT OF REACH OF CHILDREN

W A R N I N G

STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. It is preferable to induce vomiting under medical supervision due to aspiration hazard; otherwise drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing persons.

**IF ON EYES:** Flush eyes with plenty of water. Get medical attention.

**IF ON SKIN:** Remove contaminated clothing and wash effected area with soap & warm water. Laundry contaminated clothing before reuse.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated. Respiratory irritation should be treated symptomatically.

**NOTE TO PHYSICIAN:** This product is a cholinesterase inhibitor. If signs of poisoning develop - therefore; headache, nervousness, blurred vision, nausea, cramps, pain in chest, constricted pupils, & salivation occur; Atropine Sulfate is antidotal. See back panel Note To Physician.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 5481-36-AA

EPA EST. NO. 5481-CA-1

NET CONTENTS 1 GALLON

**AMVAC CHEMICAL CORPORATION**  
**4100 EAST WASHINGTON BLVD**  
**LOS ANGELES CA 90023**

ALCO tick - tox™

RESIDUAL CONTROL FOR BROWN DOG TICKS, FLEAS, GROVER MITES

DIRECTIONS FOR USE

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

USE AS A GENERAL AREA SPRAY IN DOG KENNELS, DOG RUNS,  
YARDS, LAWNS, AROUND AND UNDER INFESTED STRUCTURES

THIS PRODUCT IS FOR RESIDUAL INSECT CONTROL ONLY  
DO NOT TREAT PETS WITH THIS PRODUCT

BROWN DOG TICKS, FLEAS, OUTSIDE - Use at a rate of 1 quart in 25 gallons of water (2 1/2 tbsp. per gallon) and spray infested areas. Pay particular attention to areas where dogs regularly sleep or rest. Treat pet bedding and replace with freshly laundered bedding.

Spray cracks and crevices where pests may hide. Repeat treatment as necessary.

INSIDE: Spray infested areas thoroughly. If mixing with deodorized spray base, a small amount of inert material may separate from spray mixture and should be filtered or decanted off before spraying.

LOVER MITES: Use 1 to 2 quarts per 100 gallons of water. Spray infested areas, lawns, yards and structures. Do not allow children or pets on treated areas until completely dry. Use the higher rate for heavy infestations.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING:** May be fatal if swallowed, inhaled or absorbed through the skin. Repeated exposure may without symptoms, be increasingly hazardous. Do not breathe vapors or spray mist. May cause eye irritation. Do not get in eyes or on skin or clothing. Wear rubber gloves and protective clothing when apply this product. Wash thoroughly after handling and before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse. During application keep unprotected person away from areas being treated or where there may be drift. Do not contaminate feed or foodstuffs. Keep children and pets off treated areas until completely dry.

**NOTE TO PHYSICIAN - POISONING SYMPTOMS**

This product is a cholinesterase inhibitor. If signs of poisoning develop - therefore; headache, nervousness, blurred vision, nausea, cramps, pain in chest, constricted pupils, tearing, salivation, cyanosis, & muscle twitching occur; give 2 to 4 milligrams (1/30 to 1/15 grain) atropine sulfate intravenously. Repeat at 5 to 10 minute intervals until signs of atropinization appear (dry, flushed skin & tachycardia). If excessive secretions occur, keep patient fully atropinized by giving atropine every hour up to 25 to 50 milligrams in one day. If patient fails to respond satisfactorily to atropine, give 1 gram of 2-PAM intravenously.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not use on food or feed crops. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use, pour, spill, or store near heat or open flame. In case of spill cover with soda ash, lime, clay or sawdust. Thoroughly wash area with lye solution.

ALCO tick - tox™  
RESIDUAL CONTROL FOR BROWN DOG TICKS, FLEAS, CLOVER MITES

DIRECTIONS FOR USE (Cont.)

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 out of reach of children. PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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 State Pesticide or Environmental Control Agency, or the Hazardous Wastes representative at the nearest EPA Regional Office for guidance. 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 procedures approved by State and local authorities. Glass- Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

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 the manufacturer and/or seller and the buyer assumes the risk of any such use.