

Substantially Similar to *Endosulfan*

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product has been found to comply with the requirements of the Act.

For application by public health officials, trained personnel of mosquito control organizations and pest control operators

Ficam ULV

SOLUTION

For control of adult mosquitoes by ground ULV equipment in residential areas only

ACTIVE INGREDIENT:

Bendiocarb: 2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate*

Percent by Weight

18.87%

INERT INGREDIENTS:

81.13%

TOTAL

100.00%

*U.S. Patent No. 3,736,338

This product contains 1.67 lbs. Bendiocarb per gallon.

EPA Reg. No. 45639-102

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

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

May be fatal if swallowed. Do not get in eyes, on skin or on clothing.
Do not breathe spray mist.

IF SWALLOWED: Drink 1 or 2 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 person. Get medical attention.

IF ON SKIN: Remove contaminated clothing and wash skin immediately with warm soapy water.

IF IN EYES: Wash immediately with clean water.

NOTE TO PHYSICIAN: Contains anticholinesterase carbamate insecticide. In case of overexposure, atropine sulfate 2 mg (equivalent to 1/30 grain adult dose) should be given and repeated as necessary until fully atropinized.

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY INFORMATION

NOR-AM
NOR-AM CHEMICAL COMPANY

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Harmful or fatal if swallowed. May be absorbed through the skin. Avoid contact with the eyes, skin, and clothing. If contact occurs, wash skin and clothing immediately with soap and warm water, and eyes with clean water.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP WORK and get help right away. See First Aid (Practical Treatment) section.

Avoid breathing and working in spray mist or dust.

When applying in outdoor sites keep all unprotected persons, children, and animals away from treated area or where there is danger of drift.

Do not use on or contaminate fruit, vegetables or other food or feed crops. Do not store near food or feed products.

Wash hands and exposed skin before eating, drinking or smoking and after spraying or handling. Wash all contaminated clothing thoroughly before re-use.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply within 320 feet of any permanent body of water. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of waste.

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 if bees are visiting the treatment area.

Do not spray on or allow spray to drift to food crops or areas where livestock graze.

Do not use FICAM ULV Solution in forest areas.

IMPORTANT: Read the entire Directions for Use and Conditions of Sale and Warranty before using this product.

GENERAL INFORMATION

Ficam® ULV Solution is a solution of the carbamate insecticide bendiocarb in a non-aromatic solvent. It is suitable for application with conventional ground ULV equipment.

Ficam® ULV Solution has given good control of adult mosquitoes of all species including those considered resistant to organic phosphate insecticides.

Ficam® ULV Solution will not cause corrosion to spray machinery when used in accordance with label instructions.

DIRECTIONS FOR USE

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

WARNING: Before using Ficam® ULV Solution, the spray equipment, including the insecticide tank, must be thoroughly cleaned, using the method described below. Use of or contamination with materials other than those specifically recommended herein could result in inadequate application and possible corrosion.

Ficam® ULV Solution is recommended for adult mosquito control. Applications are made using conventional ground ULV equipment over 330 ft. swaths.

ULTRA LOW VOLUME, (ULV) NON-THERMAL, GROUND APPLICATION

The ULV generator should be mounted on a vehicle with the nozzle at least 4.5 feet above ground and directed to the rear of the vehicle. The nozzle should be horizontal or inclined upward to an angle of 45° to achieve optimum particle dispersal.

The insecticide tank should be filled by qualified personnel only.

Read the manufacturer's manual for full details of aerosol generators.

DROPLET SIZE

Maximum droplet size should not exceed 30 microns with the length median diameter (LMD) not in excess of 20 microns. The LMD is the droplet size which divides the spray volume into two equal parts; i.e., 50% of the volume is in the droplet size below the LMD and 50% is above the LMD.

Conventional techniques for the determination of the LMD will be provided by NOR-AM Chemical Company.

THE LMD SHOULD NOT EXCEED 20 µm.

RECOMMENDED DOSAGE:

Vehicle Speed (mph)	Flow Rate (Fluid ounces/minute)	Application Rate (Pounds/Acre a1)(1)
10	1.7 to 5.0	0.0037 to 0.011
15	2.5 to 7.5	0.00358 to 0.0108

(1) Calculated on the basis of a 300 foot swath width.

The recommended initial trial rate is 2.0 fluid ounces per minute at 10 mph. Variable speed output pumps may be used, but speeds in excess of 20 mph are not advised.

Ficam® ULV diluted with HAN only. Ficam® ULV is not miscible with water, mineral oils or distillates such as kerosene or Diesel fuel. Dilution with HAN should not exceed 1:1.

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TREATMENT TIME:

The optimum time for application of Ficam® ULV is at dusk, night to dawn, when wind speeds are between 3 and 8 mph. A suitable temperature inversion, that is, temperatures at ground level (3 feet) are cooler than temperatures measured at a height of 30 feet, is desirable. Most daylight conditions are unsuitable because of temperature thermals and variable air movements.

COLD FOG APPLICATION SUGGESTIONS:

The application vehicle should be driven across the prevailing wind direction starting on the downwind side of the area to be treated. The spray treatment travel interval should not exceed 333 feet if possible.

EQUIPMENT CLEANING:

The insecticide system, including the tank, pump, lines and metering equipment should be cleaned and free of water, cleaning solutions, oils and other distillate fuels before being charged with Ficam® ULV.

The entire application system should be thoroughly flushed with HAN or alcohols, such as isopropyl, methyl or ethyl, after use. Do not use water or Diesel fuel for cleaning. If other commercially available cleaning solvents are used, it should be first determined if Ficam® ULV is miscible in this solvent. Solvents containing acetone are generally satisfactory.

ENDANGERED SPECIES RESTRICTIONS

Before using this product to control or eradicate mosquitoes in a county listed below, you must contact the Endangered Species Specialist in the Regional/Field Office of the U.S. Fish and Wildlife (FWS) indicated below. You must provide FWS with your name and phone number, the product you intend to use, and the specific location in which you intend to use it. The U.S. Fish and Wildlife Service will inform you whether your proposed use is in the range of endangered species. Use of this product in the range of endangered species, as described by FWS, is prohibited.

Contact FWS Field Offices at the Following Numbers:

ALABAMA (Jackson, Mississippi,
601-965-4900)
Jackson

ARKANSAS (Jackson, Mississippi,
601-965-4900)
Cross and St. Francis

CALIFORNIA (Sacramento, California,
916-460-4866)
Los Angeles, Orange, San Diego, San
Luis Obispo, Santa Barbara and
Ventura

FLORIDA (Jacksonville, Florida,
904-791-2580)

Broward, Dade, Glades and Palm Beach

NORTH CAROLINA (Asheville, North Carolina,
704-259-0321)
Edgecombe

PUERTO RICO (Mayaguez, Puerto Rico,
809-851-7297)
Island of Puerto Rico

TENNESSEE (Asheville, North Carolina,
704-259-0321)
Franklin

TEXAS (Houston, Texas, 817-334-2961)
Bastrop, Burleson and Harris

STORAGE AND DISPOSAL

STORAGE — Store in original container, tightly closed and in a safe place.

PESTICIDE DISPOSAL — Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at 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 procedures approved by state and local authorities.

GENERAL — Consult federal, state or local authorities for approved alternative procedures. Do not re-use empty container.

NOTICE TO DRUM HANDLERS: In case of fire, leaky or damaged drums, or other emergency, report at once by toll-free telephone to: 800-424-9300.

IMPORTANT: READ BEFORE USE

By using this product, user accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.
CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible.
DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM FAILURE TO USE THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS.
LIMITATIONS OF LIABILITY: In no event shall NOR-AM Chemical Company's liability for damages arising out of the use of this product exceed the purchase price of the product used.
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Revisions Include:

Warning Statements

Environmental Hazards Statements
Endangered Species Restrictions

Discard Previous Labels

517-SL-FULV-Rev. 10/88