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| U.S. ENVIRONMENTAL PROTECTION AGENCY<br>OFFICE OF PESTICIDES PROGRAMS<br>REGISTRATION DIVISION (WH-567)<br>WASHINGTON, D.C. 20460 | EPA REGISTRATION NO.<br>4816-673                | DATE OF ISSUANCE<br>12/14/84 |
|   | TERM OF ISSUANCE<br>Until Reregistration        |                              |
|   | NAME OF PESTICIDE PRODUCT<br>Carbamate 1.5 E.C. |                              |

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Mr. Lawrence J. Feller  
 Fairfield American Corporation  
 8th & Harrison Streets  
 Frenchtown, NJ 08825

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 4816-673."
- b. Please revise your storage and disposal statements to comply with PR 83-3.



d. Please include a statement of Practical Treatment with the following format:

- If swallowed...
- If on skin...
- If in eyes...
- If inhaled...

ATTACHMENT IS APPLICABLE

|  |                  |
|--|------------------|
| SIGNATURE OF APPROVING OFFICIAL<br>Jan Schlenker | DATE<br>12/14/84 |
|--|------------------|

Also please include "wash thoroughly with soap and water after handling and before eating or smoking" to your precautionary statement.

Your submitted acute oral, acute dermal, primary eye and skin irritation studies are acceptable and have been given the following Accession Numbers:

|                           |        |
|---------------------------|--------|
| Acute oral                | 254381 |
| Acute dermal              | 254382 |
| Primary eye irritation    | 254383 |
| Primary dermal irritation | 254384 |

The acute inhalation study is considered only supplemental data because the gravimetric concentration is too low for the given nominal concentration. A lower dilution rate might reduce condensation and give a better ratio between nominal and gravimetric concentration.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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.

Sincerely yours,

Jay S. Ellenberger  
Product Manager (12)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

44-444

**OUTDOOR USES:**

For residual control of insects around industrial buildings, hotels, motels, homes, garbage areas, dumps, sewer manholes and for mosquito control in non-crop areas.

Residual Spray for ants, cockroaches, earwigs, flies, hornets, millipedes, mosquitoes, spiders, crickets, clover mites, fleas, scorpions, sowbugs, brown dog ticks, wasps and waterbugs. Mix 8 fluid ounces (1/2 pint) of concentrate in 1 gallon of water\* (1.1% concentration) and apply as a residual spray or with a paint brush to surface of buildings, porches, screens, window frames, patios and garages where these insects congregate. For control of wasps and hornets, apply at dusk when all of the insects have returned to the nest. Repeat as necessary. Do not treat plants (lawns, flowering plants, shrubs, trees, etc.) with this concentration. Do not spray more than 3 gallons per sewer manhole.

To control sand flies or punkies (*Culicoides* spp.) mix 8 fluid ounces (1/2 pint) of concentrate in 1 quart of water\* (4.5% concentration) and apply with paint brush to outside surfaces of door and window screens and other screened areas where insects may enter buildings. Thorough coverage is necessary for maximum control.

Ground Mist Spray for Mosquitoes: Apply 4-1/4 to 6 fluid ounces (0.05 to 0.07 lbs. active) per acre. For mist-blower machines calibrated to deliver 100 gallons per hour traveling at a speed of 4 m.p.h. and covering a swath width of up to 350 feet, use 5-1/2 to 8 gallons of spray concentrate per 100 gallons of water\* to treat 170 acres. **IMPORTANT:** Do not allow to drift or use on crop or pasture lands.

**NOTE:** Due to the high volatility of the solvents in this concentrate, it is necessary to add the formulation directly to the aircraft spray tank and mix well with water. Do not pre-mix in nurse tanks. Aircraft tanks must be closed after mixing to prevent solvent evaporation, which would result in crystallization of the active ingredient. Prepared spray should not be held in tank longer than 2 to 3 hours.

**Pest Control of Lawns and Turf:**

**Sod webworms (lawn moths):** To control sod webworms on lawns and turf, mix 11 fluid ounces (approximately 1-1/2 cups) of concentrate in 10 to 15 gallons of water\* and apply to 1000 square feet of area. For best results, mow the lawn and rake dead grass from damaged spots. Water the lawn thoroughly and allow grass to dry before spraying. If possible, do not water again for several days. Three applications at monthly intervals may be required for maximum control. In most areas, the first application should be made in May or June. Consult your local State Agricultural Experiment Station or Extension Service for more specific information regarding timing of applications.

**Chinch bugs and hunting billbugs:** Apply 16 fluid ounces (1 pint) of concentrate per 1000 sq. ft. of lawn or turf area. Do not use less than 15 gallons of water\* per 1000 sq. ft. For best results use 30 to 40 gallons of water per 1000 sq. ft. Repeat as necessary. For effective control of chinch bugs apply during the spring and summer months, or as recommended by your State Agricultural Experiment Station or Extension Service. For best results, lawns should be watered before applying.

**PRECAUTIONARY NOTE:** Birds feeding on treated areas may be killed. Keep and pets off treated areas until dry.

\*The use of this material in water at 40°F or below may result in crystallization in the spray tank. Do not use in oil. Do not allow spray mixture to remain overnight in the spray tank.

**MIXING CHART:**

| Concentration Required | Fluid ounces of Carbamate 1.5 E.C. |                  |                 |
|------------------------|------------------------------------|------------------|-----------------|
|                        | 1 Gallon U.S.                      | 3 Gallons U.S.   | 10 Gallons U.S. |
| 1.1%                   | 8 (1/2 pint)                       | 24 (1-1/2 pints) | 80              |
| 4.5%                   | 32 (2 pints)                       | 96 (6 pints)     | 320             |

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE AND SPILL PROCEDURES:** Store at room temperature. Keep away from direct sunlight, radiators, stoves and other heat. Do not store near food or food products. Do not store below 32°F. Material will freeze and result in a hard can. Product may be reconstituted by agitation and warming to 70°F. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste disposal facility.

**PESTICIDE DISPOSAL:** Pesticides, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) then offer for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

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

**DANGER**

Causes eye irritation. May be fatal if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin or clothing. In case of eye exposure, wear natural rubber gloves, protective clothing and goggles. Flush eyes with plenty of water. Contact a physician. If swallowed, vomiting should be induced. Administer milk or water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. In case of contact, wash immediately with soap and warm water. Do not eat, drink, or use tobacco. Do not contaminate food. 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.

**NOTE TO PHYSICIAN - Atropine sulfate is antidotal.**

**ENVIRONMENTAL HAZARDS**

This product is toxic to birds, shrimp, crabs and other wildlife. Do not apply directly to lakes, streams, ponds, tidal marshes or estuaries. 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 directed on the label.

Buyer assumes all risks of use, storage or handling of this product in strict accordance with directions given herewith.

BATCH

Printed in U.S.A.

# CARBAMATE 1.5 E.C. CONTAINS <sup>®</sup> BAYGON

ACCEPTED  
with COMMENTS  
in EPA Label Book

EPA Reg. No. 4816-673

EPA Est. No. 279-IV-1

**ONLY FOR SALE TO, USE AND STORAGE BY QUALIFIED PEST CONTROL OPERATORS, COMMERCIAL APPLICATORS AND OTHER SERVICE PERSONS**

Remains residual for weeks.

For use in and around homes, apartments buildings, hotels, motels, stores, warehouses, food processing plants, restaurants and animal research facilities.

CARBAMATE 1.5 E.C. provides excellent control of major household pests, especially cockroaches, spiders, crickets, wasps and hornets. This chemical is especially valuable as a roach control. It provides good flushing action of cockroaches, rapid knockdown and long residual control of these and the other insects.

Carbamate 1.5 E.C. has been tested on a variety of materials, including wood (painted and unpainted), plaster, wallboard, tile (asphalt, ceramic, vinyl and rubber). It was found to give long residual control on all these surfaces and is non-staining on a wide variety of materials which are not susceptible to watermarking alone.

#### ACTIVE INGREDIENTS:

|   |         |
|---|---------|
| 2-(1-Methylethoxyl) phenol methylcarbamate..... | 16.20%  |
| INERT INGREDIENTS:.....                         | 83.80%  |
|   | 100.00% |

BAYGON - Registered Trademark of the Parent Company of  
Farbenfabriken Bayer GmbH, Leverkusen

KEEP OUT OF REACH OF CHILDREN

**DANGER**

See back panel for further precautionary statements.

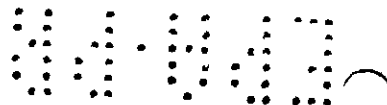
### DIRECTIONS FOR USE

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

Carbamate 1.5 E.C. gives excellent control of ants, cockroaches, clover mites, crickets, earwigs, fleas (outdoors), mosquitoes (outdoors), flies, hornets, millipedes, saw-toothed grain beetles (exposed stages), scorpions, silverfish, sowbugs, spiders, brown dog ticks, wasps, waterbugs, lawn chinch bugs, sod webworms (lawn moths), pillbugs, punkies and sand flies. It provides good flushing action of cockroaches, rapid knockdown and long residual control of these and other insects. Carbamate 1.5 E.C. will also control strains of cockroaches and mosquitoes resistant to certain chlorinated hydrocarbon and organophosphate insecticides. Carbamate 1.5 E.C. mixes readily with water, and may be applied with most types of hand or power-operated sprayers. Agitate spray mixture frequently.

Carbamate 1.5 E.C. gives rapid knockdown and effective control of mosquitoes when applied by either ground mist-spraying, or with conventional aircraft spray equipment.

NET CONTENTS: \_\_\_\_\_



Since this is a water-suspension material, do not apply to rugs, carpets, draperies, wallpaper or similar materials that may be stained or watermarked. The solvents of this formulation may stain certain plastic, rubber and asphalt materials, such as tiles and floor coverings. Do not treat such materials without first testing a small inconspicuous area. Do not use as a space-spray. Provide adequate ventilation of area being treated. Do not apply to animals or humans. Do not use on food crops. Do not use on plants other than those recommended. Do not use in animal barns or poultry houses for fly control.

#### INDOOR USES:

**Pest Control In and Around Homes, Apartment Buildings, Hotels, Motels, Stores and Warehouses:** For residual control of ants, cockroaches, millipedes, silverfish, spiders, waterbugs and to aid in control of saw-toothed grain beetle (exposed stage) mix 8 fluid ounces (1/2 pint) of concentrate in 1 gallon of water\* (1.1% concentration) and apply as a residual spray to baseboards, window frames, the undersides of shelves and drawers, under sinks and stoves and to other places where insects may hide. Also spray cracks, crevices and surfaces where insects may crawl when they come out of hiding. For ants, spray trails and places where ants enter premises. Repeat as necessary. Do not spray food-stuffs or house plants. Do not allow children to contact treated surfaces until surfaces are completely dry.

**Pest Control in Meat Packing and Food Processing Plants, Food Storage Areas, Restaurants and Other Food Handling Establishments** (places other than private residences in which exposed food is held, processed, prepared or served.)

For residual control of ants, cockroaches, millipedes, silverfish, spiders, waterbugs and to aid in control of saw-toothed grain beetle (exposed stage), mix 8 fluid ounces (1/2 pint) of concentrate in 1 gallon of water\* (1.1% concentration).

**Non-Food Areas:** Includes garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

Apply to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insects hide or through which they may enter.

**Food Areas: LIMITED TO CRACK AND CREVICE TREATMENT ONLY** - Apply a small amount of material as a pin-thin stream directly into cracks and crevices such as expansion joints between different elements of construction or between equipment bases and the floor, wall voids, or hollow equipment legs, where the insects noted above hide. Do not use this product in conduits, motor housings and electrical switch boxes.

Care should be taken to avoid depositing the product onto exposed surfaces, or introducing the material into the air. Avoid contamination of food or food processing surfaces.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT, ARE NOT PERMITTED.

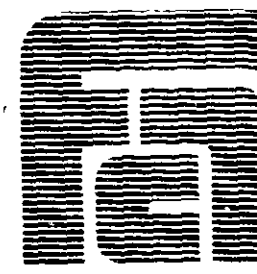
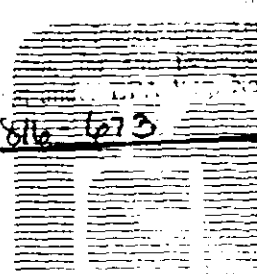
Spraying unloading docks and outside areas where insects congregate will aid in preventing re-infestations. Good sanitation and proper disposal of wastes is essential in any effective insect control program.

**PEST CONTROL IN ANIMAL RESEARCH FACILITIES:** Follow the above directions. The use of this product in and around research animals' quarters for pest control will not induce changes in liver microsomal enzyme activity in these animals. Carbamate 1.5 E.C. should NOT be applied in portions of the buildings where there is direct contact by the animals. Do not treat animals. Treat animals with an E.P.A. approved product registered for use on animals.

**SEE REVERSE SIDE**

DEC 14 1984

4816-673



**FAIRFIELD  
AMERICAN**

CORPORATION  
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