

A concentration of ...
to be utilized ...
lowered ...

ACTIVE INDEPENDENT:

Exxonoline-----
Petroleum Products-----
1,1,1-Trichloroethane-----
Total 101.000

GENERAL

ACCEPTED

APPROVED

DATE

BY

REMARKS

5011-97

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to be used for additional ...

Manufactured by

AMERICAN ...

... Co., Inc.

...

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10-11-69

Use of the Gammal Chemical Insecticide Applicator,
Model No. 1001A-B-1 is recommended for the control of cigarette beetles
and other insects in buildings where tobacco is stored and processed.

PREPARATION OF THE BUILDING PRIOR TO TREATMENT

- (1) Close all doors, windows, and ventilators.
- (2) Lock or barricade all entrances, post warning signs, and take precautions to prevent persons and animals from entering the area.
- (3) Room temperature should read over 70°F. for best insect kill.

FOR CIGARETTE BEETLE AND TOBACCO MOTH CONTROL IN URBAN INDOOR SPACES:

Wear a nose and mouth respirator to avoid breathing insecticide vapor. (1) If a Gammal Insecticide Applicator is used, open the metering valve to the No. 4 setting on the dial. About 1/2 ounce of liquid will be sprayed per minute, with a mass media flow of 2 liters, to treat 1,000 cubic feet of space equivalent to one room 10' x 10' x 8' high.

Apply 1/2 ounce of liquid per 1,000 cubic feet of space. Repeat application for 1000 cubic feet of space twice a week for 2 weeks. Repeat weekly until control is achieved.

Repeat application of Gammal Insecticide Applicator for 1000 cubic feet of space for 2 weeks.

Apply 1/2 ounce of liquid per 1,000 cubic feet of space. Repeat application for 1000 cubic feet of space for 2 weeks.

the entire calculated contents of the room. Minimum length of exposure time is 1 hour with windows and doors closed. Four hours of exposure is preferable. After exposure time, the room should be well ventilated - at least 1 hour before re-entering. CARMEL CHEMICAL FORMULA F-13 registers no flash point when tested in accordance with ASTM D93-66, Cleveland Open Cup.

FOG APPLICATOR NOTICE

Flush the insecticide tank of the Carmel Fog Applicator immediately after each use otherwise residue from the formulation may remain in the tank and insecticide system and block the system completely causing reduced fog output and poor insect control. Flushing immediately after using is a complete answer to this problem.

1. Drain insecticide tank. (To avoid draining tank after fogging, pour in only required amount of insecticide and use it all in the fogging operation.)
2. Pour at least 2 ounces of Carmel Flushing Solution (F-13) into tank. (Fuel oil may be used if flushing solution is not available.)
3. Replace tank cap and rock applicator to insure snug seal.
4. Start machine (outside) and "3" until tank is empty.
5. Loosen insecticide tank cap to relieve pressure.
6. Remove chemical filter and rinse in alcohol.

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After flushing the Carmel Fog Applicator, clean engine tubing with nail file

CAUTION

Do not add directly to food products. Harmful if swallowed. Keep out of reach of children. Contact with skin can cause irritation. In case of contact with skin, wash with soap and water.

NOTICE: Seller makes no warranty other than specifically stated. The buyer agrees that the seller shall not be responsible or liable for injury to crop, soil, person, or property arising from careless or improper use or handling of the product. Please use in accordance with seller's instructions.

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See Patent _____

CARMEL CHEMICAL NON-FLAMMABLE TOBACCO PYRETHRUM SPRAY

FORMULA F-13

CARMEL

USDA Reg. No. 5011-GL

A concentrated insecticide formulation for use in tobacco warehouses and to be applied with a Carmel Chemical Insecticide Fog Applicator or Electric Powered Sprayers.

ACTIVE INGREDIENTS:

Pyrethrins-----	1.00%
Petroleum Distillate-----	39.00%
1,1,1-Trichloroethane-----	60.00%
Total	100.00%

ETHICAL

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ACCEPTED

MAR 7 1969

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC PESTS REGISTERED
ED UNDER NO. 5011 '7 SUBJECT
TO ATTACHED COMMENTS.

WARNING

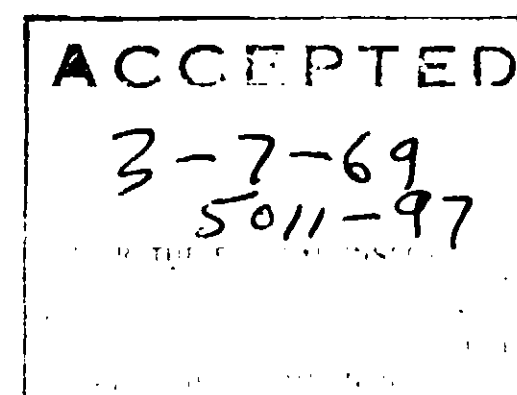
KEEP OUT OF REACH OF CHILDREN

CHEMICALS

See side panel for additional cautions.

Manufactured By

CARMEL CHEMICAL CORPORATION
P. O. BOX 406
WESTFIELD, INDIANA 46074



DIRECTIONS

When applied as an aerosol with a Carmel Chemical Insecticide Fog Applicator, CARMEL CHEMICAL FORMULA F-13 is recommended for the control of Cigarette Beetles and Tobacco Moths in buildings where Tobacco is stored and processed.

PREPARATION OF THE BUILDING PRIOR TO FOGGING

(1) Close all doors, windows, and ventilators. (2) Lock or barricade all entrances, post warning signs, and take precautions to prevent persons and animals from entering the area. (3) Room temperature should read over 70°F. for best insect kill.

FOR CIGARETTE BEETLE OR TOBACCO MOTH CONTROL IN TOBACCO STORAGE ROOMS:

Wear a nose and mouth respirator to avoid inhaling insecticide fog. (1) If a Carmel Insecticide Fog Applicator is used, open the metering valve to the No. 4 setting on the dial. Eight ounces of liquid will be fogged per minute, with a mass median diameter of 5 microns, to treat 24,000 cubic feet of space (equivalent to one ounce per 3,000 cubic feet of space).

DOSAGE RATE FOR CIGARETTE BEETLES: Use 3 ounces of CARMEL CHEMICAL FORMULA F-13 per 1,000 cubic feet of warehouse space twice per week for good Cigarette Beetle Control.

DOSAGE FOR TOBACCO MOTHS: Use 1 ounce per 3,000 cubic feet of space once per week for good Tobacco Moth control.

APPLICATION WITH CARMEL INSECTICIDE FOG APPLICATOR: Walk backward down the center aisle of the room swaying the Insecticide Fog Applicator back and forth to blanket

the entire cubical contents of the room. Minimum length of exposure time is 2 hours with windows and doors closed. Long length of exposure time preferable. After exposure time, the room should be well ventilated - at least 1 hour before re-entering. CARMEL CHEMICAL FORMULA F-13 registers no flash point when tested in accordance with ASTM D92-66, Cleveland Open Cup.

FOG APPLICATOR NOTICE

Flush the insecticide tank of the Carmel Fog Applicator immediately after each use otherwise residue from the formulation may remain in the tank and insecticide system and block the system completely causing reduced fog output and poor insect control. Flushing immediately after using is a complete answer to this problem.

1. Drain insecticide tank. (To avoid draining tank after fogging, pour in only required amount of insecticide and use it all in the fogging operation.)
2. Pour at least 8 ounces of Carmel Flushing Solution (FS-10) into tank. (Fuel oil may be used if flushing solution is not available.)
3. Replace tank cap and rock applicator to loosen any residue.
4. Start machine (outside) and "fog" until tank is empty.
5. Loosen insecticide tank cap to relieve pressure.
6. Remove chemical filter and rinse in gasoline.

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After flushing the Carmel Fog Applicator, clean engine tailpipe with tailpipe brush and clean intake with special cleanout rod.

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CAUTION

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NOTICE: Seller makes no warranty other than specified on this label. The buyer agrees that the seller shall not be responsible or liable for injury to crop, soil, person, or property arising from careless or improper use or handling of the product. Please use in accordance with seller's directions.

ACCEPTED
3-7-69
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FOR THE FEDERAL REGISTER-
TO ATTACHED COMMENTS.
SUBJECT

Net Contents _____ Gallons