

**DIRECTIONS FOR APPLYING** **LETHALAIRE** **G-67**

**IMPORTANT** -- First read the precautions printed on right panel of label

**ENTOMOLOGICAL RECOMMENDATIONS:** When applied as an aerosol, **LETHALAIRE G-67** is recommended for the control of aphids and white flies on roses, carnations, chrysanthemums and tomatoes.

**LIMITATIONS:** Do not apply within 15 hours of harvest on tomatoes.

**PREPARATION OF THE GREENHOUSE:** (1) Pull weeds and remove plant leaves touching the ground. (2) Spray or dust crops in nearby outside frames to destroy sources of greenhouse reinfestation. (3) Close all doors, windows and ventilators. (4) Lock or barricade all entrances, post warning signs, and take whatever other precautions are necessary under the circumstances to prevent unprotected persons from entering the treated area. (5) Be sure the blossoms and foliage are dry. (6) Adjust the inside temperature to between 70°-85°F. (7) Place this cylinder in the greenhouse 2-3 hours before using so that the temperature of the contents can equalize with the room temperature.

**DOSAGE:** For Most Greenhouse Ornamentals and Tomatoes:—1 ounce of G-67 will treat 3,000 cu. ft. of space. 1 pound of G-67 will treat 50,000 cu. ft. One 4 lb. cylinder will treat 200,000 cu. ft. of space.

**HOW TO APPLY:** Use only approved applicator devices for generating an aerosol and a rated for rate of flow. Operator must wear a gas mask approved for use in the presence of Thiodan vapor, and must take care to protect hands, neck and all other skin surfaces. (1) Point applicator nozzle upward. (2) Invert the cylinder, valve down, and open the valve a bit. Turn the handle. (3) Walk down the aisle pointing the nozzle 2 to 3 feet above the tops of the plants. As berries can be treated from the top of the plant, make sure you start the spray and treat the top of the plant. (4) Walk up aisle, and after use, check valve.

**General Rule:** Do not apply this product in greenhouses with any other insecticide. Do not apply this product in greenhouses where other insecticides have been used within 15 days before application.

**DURATION OF THE EXPOSURE:** The duration of exposure to the aerosol should be 15 to 20 minutes. The duration of exposure should be 15 to 20 minutes. The duration of exposure should be 15 to 20 minutes.

**REPETITION OF TREATMENTS:** Repeat treatments should be made every 7 to 10 days. Repeat treatments should be made every 7 to 10 days. Repeat treatments should be made every 7 to 10 days.

**NO WARRANTY:** Seller makes no warranty, expressed or implied, concerning the use of this product other than that stated on the label. Buyer assumes all risk of use and handling of this product, when used in use and/or handling contrary to label instructions.



**AN AEROSOL INSECTICIDE  
CONTAINING  
10% THIODAN\*  
FOR GREENHOUSE USE ONLY**

**G-67**

<b>ACTIVE INGREDIENTS:</b>	
Endosulfan (Hexachlorohexahydromethano—2, 4, 3- benzodioxathiepin oxide)	10%
<b>INERT INGREDIENTS</b>	90%
Total	100%

**Keep out of the reach of children.**



See Antidote Statement and Other Required Warning Statements on the Side Panel.

**DANGER!**

**FLAMMABLE ... VAPOR EXTREMELY HAZARDOUS**

- HARMFUL IF SWALLOWED** Avoid prolonged or repeated breathing of vapors.
- Avoid prolonged or repeated contact with skin.
  - Avoid contact with eyes.
  - Avoid contact with clothing as vaporized through skin.
  - Read label carefully. Use only as directed.
  - Keep away from heat and open flame.
  - Do not breathe vapor.
  - Do not get vapor or liquid on skin.
  - Do not get vapor or liquid in eyes.
  - Keep away from feed and food products.
  - Do not use where live fish or aquatic life are kept.
  - Always wear a gas mask of a type passed by the U. S. Department of Agriculture for Thiodan Protection.

**NET WEIGHT — 4 lbs.**

U.S.D.A. Reg. No. 1187-59  
A Product of

**VIRGINIA CHEMICALS INC.**  
PORTSMOUTH, VIRGINIA 23703

**BEFORE USING THIS PRODUCT  
READ THESE PRECAUTIONS**

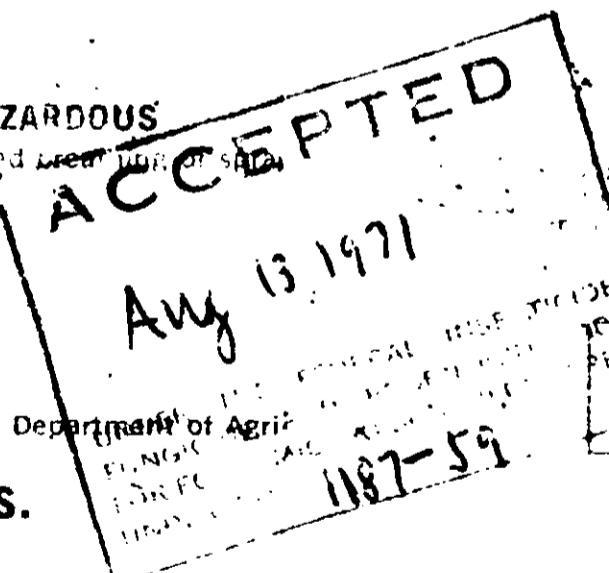
- DO NOT CONTACT THE SKIN.** Gloves impervious to Thiodan should be worn. All skin surfaces should be completely covered with protective clothing during application.
- DO NOT INHALE THIODAN MIST.** Wear a gas mask of a type passed by the U. S. Department of Agriculture for Thiodan protection.
- ADEQUATE PERSONAL HYGIENE AND CLEANLINESS** are necessary. After applying remove clothing and bathe thoroughly with warm water and soap. Wash clothing before re-use.
- DO NOT CONTAMINATE FOOD,** smoke, eat or chew tobacco in the operating area.
- NOT FOR USE** or storage in or around the home.

LOT NO.

In Case of EXPOSURE, Call a Doctor IMMEDIATELY

**ANTIDOTE** -- 1. Internal, give a table-spoonful of 4% solution of sodium bicarbonate in water. Repeat until vomit is clear. 2. External, wash with soap and water. Wash with soap and water.

This cylinder contains a liquid under pressure. Do not drop the container or expose it to temperatures higher than 135° F.



# ***LETHALAIRE***®

# **G-67**

## **AN AEROSOL INSECTICIDE CONTAINING 10% THIODAN™ FOR GREENHOUSE USE ONLY**

### **DIRECTIONS FOR APPLYING:**

Read and follow carefully these and all label directions before using Lethalaire G-67 Aerosol.

**ENTOMOLOGICAL RECOMMENDATIONS:** Lethalaire G-67 is recommended for the control of Aphids and Whiteflies on Roses, Carnations, Chrysanthemums and other greenhouse ornamentals. It is also recommended for the control of Aphids and Whiteflies on greenhouse Tomatoes. Limitation—Do not apply within 15 hours of tomato harvest

**OPTIMUM DOSAGE REQUIREMENTS:** For most greenhouse plants -

- 1 oz. of Lethalaire G-67 treats 3,000 cu. ft. of enclosure space.
- 1 lb. of Lethalaire G-67 treats 50,000 cu. ft. of enclosure space.
- One 4 lb. cylinder of Lethalaire G-67 treats 200,000 cu. ft. of enclosure space.

### **RECAUTIONS:**

- Always wear a full-face gas mask of a type approved by the U.S. Bureau of Mines for Thiodan protection and observe all protective measures as outlined.
- Since Cyclamen are susceptible to injury by many insecticides, any new formulation should be tried on a limited basis until its safety in use is ascertained.

**REPETITION OF TREATMENTS:** To obtain the desired degree of control, the following repetition of treatments is recommended:

Aphids and Whiteflies: Repeat application at weekly intervals until desired degree of control is obtained.

## LETHALAIRE GREENHOUSE AEROSOLS

### General Instructions

#### A. HOW TO PREPARE THE GREENHOUSE BEFORE APPLICATION

1. Pull weeds and remove plants which touch the ground and could harbor the pests.
2. Destroy weeds in areas near the greenhouse and spray or dust crops in nearby frames to eliminate sources of reinfestation.
3. Close all doors, windows and ventilators.
4. Lock or barricade all entrances, post warning signs, and take whatever other precautions are necessary to prevent unprotected persons from entering the treated area.
5. Be sure the foliage and blossoms are dry.
6. Adjust the greenhouse temperature to between 70°F. and 85°F.
7. Keep humidity as low as possible, preferably below 75%.
8. Place cylinders in greenhouse 2 to 3 hours before using so that temperature of contents can be equalized with that of the greenhouse.
9. Maintain adequate nutrient levels in the soil, especially nitrogen and potash. Inadequate levels may increase the danger of plant injury.

#### B. PROTECTIVE MEASURES FOR THE OPERATOR – IMPORTANT

1. Avoid contact with the skin at all times. Rubber-covered gloves, protective hood (MSA #CF33370) and complete protective clothing should be worn at all times when using or handling the aerosol. Be sure No Bare Skin is Exposed. If skin is contaminated, wash carefully with soap and running water immediately.
2. Avoid inhalation of the insecticide vapors by wearing a tight-fitting, full-vision face mask of a type specifically approved by the U.S. Bureau of Mines for each aerosol formulation used (Parathion, TEPP, Phosdrin, etc.) and replace used canister with a new one in accordance with manufacturers' recommendations. (Example: Acme Chin Style G. Mask with 282-OVAG-R canister.
3. Adequate personal hygiene and cleanliness of operation is essential. At the end of each application remove and wash clothing in soapy water, being careful not to let anyone contact contaminated clothing prior to laundering. The operator should also bathe with warm water and soap.
4. Avoid contamination of food and feed. Eating, smoking and chewing tobacco should be prohibited in the operating area.
5. Never apply Lethalair Greenhouse Aerosols when an open flame is present.

#### C. APPLICATION OF LETHALAIRE GREENHOUSE AEROSOLS

1. General Rule: Apply any time, such as early morning or late afternoon, when the ventilators can remain closed for at least one to two hours without endangering crops because of high temperature.
2. Prepare greenhouse for application as outlined above.
3. Measure area to determine cubic footage and calculate dosage required.
4. Calculate treating time necessary to apply the correct dosage. Applicators are rated for time in minutes to dispense a given amount of aerosol. Lethalair applicators discharge at a rate of 11.2 oz. per minute or 1 lb. each 1.43 minutes when temperature is 80°F. Use a spraying time of 2 seconds for each 1000 cu. ft. of space.
5. Weigh cylinder and contents before connecting applicator.
6. Be sure operator is adequately protected as outlined above.
7. Insert cylinder, valve down, into carrying sack and connect applicator. Sling strap of carrying sack over shoulder.
8. To apply: With applicator nozzle directed upward, open handwheel a full turn. Walk down the aisle directing aerosol 2 or 3 feet above the tops of all plants. Never Apply Direct to Foliage or Flowers. Four benches (20 ft.) can be treated at one time -- two on each side of aisle. Keep accurate check on treating time to assure proper dosage.
9. After applying, weigh cylinder to check weight actually discharged. If additional dosage is required, retreat the center aisle. (Full steel cylinder weight is approximately 9½ lbs. -- empty weight, approximately 5½ lbs. -- Aluminum Cylinder weighs 3 lbs. less.)
10. The house should be well ventilated at least one hour before re-entering after application.

#### D. CARE OF EQUIPMENT:

1. Store filled cylinders in a clean, well-ventilated place where temperatures will not be excessive. Adjust them, as described above, to greenhouse temperature (about 80°F) before application. Do not store in direct sunlight.
2. After each application, disassemble nozzle tip and screen and clean all parts in kerosene, alcohol or hot water. Be sure the grooves in the nozzle core are free from dirt particles. Dry, reassemble parts and store in a dry, dirt-free place, nozzle up, to drain and dry.
3. Sponge off mask and gloves with strong soapy water after each application. Dry thoroughly and replace in carrying case with canister. Set case in an upright position to prevent settling of canister contents to one side which reduces its period of usefulness.
4. Replace canister in accordance with recommendations of the manufacturer.

**ANTIDOTE AND FIRST AID TREATMENT:**

1. Warning Symptoms. Any person developing symptoms of headache, nausea, excitation, hyper irritability, and loss of equilibrium during or following usage of Lethalaire G-67 must be removed immediately to fresh air. The victim should lie down and be quiet. Call a physician immediately.
2. Internal. If G-67 is ingested, induce vomiting immediately by introducing a finger into the throat or administering an emetic such as a tablespoon of salt in a glass of warm water.
3. External. If skin is contaminated, remove all contaminated clothing and wash skin surfaces thoroughly with soap and running water. If eyes are contaminated wash immediately with running water for at least ten minutes.

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Lethalaire Aerosols are available in the following additional formulations for greenhouse use:

G-52 5% TEPP	G-57 5% Dithiono	G-62 15% Malathion
G-54 10% Parathion	G-61 2% Lindane- 10% Aramite	G-68 10% Vapona (DDVP)
	G-64 10% Phosdrin	

Consult your latest Lethalaire Greenhouse Pest Control Chart for proper recommendations.

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**Virginia Chemicals Inc.**

Portsmouth, Virginia 23703

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