



**Synerol<sup>®</sup>**  
**Insecticide**

# Synerol

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## INSECTICIDE

### COMMERCIAL

- \* For Use by Pest Control Operators
- \* For Indoor Application as a Space Spray, Surface Spray or Contact Spray, Depending on Pests to be Controlled and Area to be Treated. May be Applied Through Mechanical Aerosol Generators (e.g. Actisol) or Thermal Fogging Equipment, as Well as Conventional Fogging or Spraying Equipment.
- \* Indoor Use Areas: Bakeries, Beverage Plants, Canneries, Cattle Barns, Flour Mills, Food Handling, Processing and Storage Facilities, Grain Elevators, Granaries, Horse Barns, Homes, Hospitals, Hotels, Industrial Installations, Meat Packing Plants, Motels, Office Buildings, Poultry Houses, Railroad Cars, Restaurants, Retail Food Outlets, Schools, Ships' Holds, Swine Houses, Truck Trailers, Warehouses and Zoos.
- \* Please Read Label Carefully and Do Not Discard Until All Product is Used.

<b>GUARANTEE:</b>	<b>% by weight</b>
Pyrethrins	2.5%
Piperonyl Butoxide, Technical	12.5%

Contains petroleum distillates

### REGISTRATION NO 15649 PEST CONTROL PRODUCTS ACT

Synerol is a registered trademark of AgrEvo Environmental Health, Inc.

### READ LABEL BEFORE USING

#### NOTICE TO USER:

This Control Product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

### PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed. Do not pour or spill near open flame. Remove pets, birds and cover fish aquaria before spraying. **DO NOT BREATHE THE SPRAY MIST.** Wear a mask or respirator of the type to give adequate protection against this material. Wear protective clothing. Wash exposed skin surfaces with soap and water after handling. Wash all contaminated clothing with soap and hot water before re-use.

Do not apply directly to food. Do not apply as a space spray while food processing is underway. Foods should be removed or covered before treatment. Thoroughly wash all food processing equipment and food processing surfaces with a suitable cleaning agent before re-use. Rinse with potable water. If washing is impractical, do not allow food to come in contact with treated surfaces for at least 48 hours.

When using in animal quarters, do not apply directly to feed, water or feed supplements. Wash teats of dairy animals before milking.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of garden fish pools, lakes, streams or ponds. Do not apply directly to water and do not contaminate water when cleaning equipment or disposing of surplus spray. Do not apply where run-off is likely to occur or when weather conditions may cause drift from the treated area.

### DIRECTIONS FOR USE

USE ONLY ACCORDING TO LABEL DIRECTIONS

For use by Pest Control Operators against the following insect pests, either undiluted or diluted, according to the directions given below.

Angoumois grain moths	horn flies
ants	hornets
boxelder bugs	horse flies
cadelles	house flies
cheese mites	Indian meal moth
cheese skippers	lice

cigarette beetles	Mediterranean flour moth
clover mites	mosquitoes
confused flour beetles	red flour beetles
crickets	rice weevils
dark meal worms	saw-toothed grain beetles
deer flies	silverfish
dried fruit beetles	small flying moths
drugstore beetles	spider beetles
earwigs	stable flies
fleas	tobacco moths
fruit flies	wasps
German cockroaches	yellow meal worms
grain mites	
granary weevils	

#### INDOOR USE - UNDILUTED

To control adult accessible stages of

Ants	Flies
Boxelder bugs	Fruit flies
Cheese mites	German cockroaches
Cheese skippers	Hornets
Clover mites	Mosquitoes
Crickets	Silverfish
Earwigs	Small flying moths
Fleas	Wasps

And the following common stored product pests

Angoumois grain moths	Indian meal moth
Mediterranean flour moth	Cadelles
Cigarette beetles	Red flour beetles
Confused flour beetles	Rice weevils
Saw-toothed grain beetles	Dark mealworms
Drugstore beetles	Spider beetles
Granary weevils	Tobacco moths
Grain mites	Yellow mealworms

The use of this product in food handling or food-processing establishments should be confined to the time periods when the plants or facilities are not in operation. Food should be removed or covered during treatment. All food processing surfaces should be covered during treatment or thoroughly cleaned before reusing.

#### SPACE AND CONTACT SPRAY APPLICATIONS:

Close windows and doors and shut off ventilating systems. Use a mechanical aerosol generator or fogger adjusted to deliver aerosol droplets (30 microns or less). Direct the spray first into all cracks and crevices, behind all equipment, cupboards and obstructions to provide maximum penetration of harborages. Then treat as a space spray, directing the spray towards the ceiling and upper corners of the area and behind any obstructions. Apply at a rate of 40 mL per 100 cubic metres of space. Keep area closed for at least one hour. Vacate treated area and ventilate before reoccupying. Repeat treatment as necessary.

#### TREATMENT OF STORED FOOD AREAS:

For use in flour mills, granaries, grain elevators and warehouses where food is stored in multi-walled paper or cloth bags. Close windows and doors and shut off ventilating systems. Use a mechanical aerosol generator or fogger adjusted to deliver aerosol droplets (30 microns or less). Apply the Synerol first by directing spray into cracks, crevices and corners, under pallets and around stacks of packaged goods, hitting as many insects as possible. Then apply as a space spray at a rate of 260 mL per 100 cubic metres of room space.

Repeat application as necessary for insect control. Leave the treated area closed for one hour. Do not remain in the treated area and ventilate before re-entry.

#### INDOOR USE - DILUTED

#### SPACE AND CONTACT SPRAY APPLICATIONS:

To control accessible stages of:

Flies	Gnats
Small flying moths	Fruit flies
Mosquitoes	

Using Mechanical Fogging or Spray Equipment:  
Remove or cover exposed food and food han-

dling surfaces in edible product areas of food handling establishments. Close rooms and shut off all air conditioning or ventilating systems. Mix 140 mL of Synerol with sufficient oil to equal 3 litres of diluted spray. Apply at the rate of 105 - 210 mL per 100 cubic metres filling the room with fog. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before reoccupying. Repeat treatment when reinfestation occurs. Do not apply while food processing is underway.

Using Thermal Fogging Equipment: Mix 200 mL of Synerol with sufficient oil to equal 3 litres of diluted spray. Apply at a rate of 105 - 210 mL per 100 cubic metres, filling the room with fog. Keep area closed for at least 15 minutes. Vacate treated area and ventilate before re-occupying. Repeat treatment when re-infestation occurs. Do not apply when food processing is underway.

USE IN LIVESTOCK QUARTERS (cattle barns, horse barns, poultry and swine houses and zoos):

To control:

Fleas	Flies
Gnats	Small flying moths
Mosquitoes	

Dilute Synerol for use in conventional fogging or spraying equipment. Mix 60 mL of Synerol with sufficient oil to equal 3 litres of diluted spray. Apply at the rate of 210 mL per 100 cubic meters of space above the animal area. Direct spray towards the upper portions of the enclosure, filling it with mist. Keep area closed for at least 15 minutes. Vacate area and ventilate before re-occupying. Repeat treatment if reinfestation occurs.

#### SURFACE SPRAY APPLICATIONS:

To control accessible stages of:

Ants	Fleas
Boxelder bugs	German cockroaches
Clover mites	Lice
Crickets	Silverfish

Drugstore beetles	Spider beetles
Earwigs	

Mix 140 mL of Synerol with sufficient oil to equal 3 litres of diluted spray. Apply as a coarse droplet spray using approximately 6 litres per 110 square metres of surface. Thoroughly spray walls, floors and other surfaces such as bins, storage and handling areas, being especially careful to treat cracks and crevices. Spray thoroughly around the base of machinery and equipment. Spray insects directly when possible.

For in-transit protection, clean and spray truck beds, boxcars and ships' holds before loading. Thoroughly treat walls and floors and spray each layer of cartons or containers lightly as stacked.

#### FOR USE ON ANIMALS:

To protect against:

Horn flies	House flies	Gnats
Fleas	Mosquitoes	

Mix 140 mL of Synerol with sufficient oil to equal 3 litres of diluted spray. Apply a light mist, sufficient to wet the tips of the hair on beef and dairy cattle, horses and dogs.

To protect against:

Stable flies House flies Deer flies

Mix 140 mL of Synerol with sufficient oil to equal 3 litres of diluted spray. Apply the dilution at 60 mL per adult beef cattle, dairy cattle and horse to sufficiently wet the hair, but not to soak the hide. Repeat this application once or twice daily or as needed to give continued protection.

To control the motile stages of blood sucking lice on beef and dairy cattle, apply the diluted spray to thoroughly wet the hair. Use 60 mL or less and repeat every 2 - 3 weeks as required.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

### Pesticide Storage and Spill Procedures:

Store upright at room temperature; avoid exposure to extreme temperatures. 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.

Do not re-use container. Follow Provincial instructions for any required cleaning of the container prior to its disposal. Make empty container unsuitable for re-use and dispose in accordance with Provincial requirements. For information on the disposal of unused, unwanted product and cleanup of spills, contact the Provincial regulatory agency or the manufacturer.

## FIRST AID

If Swallowed: Contact a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. **DO NOT INDUCE VOMITING.** Vomiting may cause aspiration pneumonia.

If Inhaled: Remove affected person to fresh air. Apply artificial respiration if indicated.

If On Skin: Remove contaminated clothing and wash affected areas with soap and water.

If In Eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

## NOTICE TO BUYER

Seller's Guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

## **AgrEvo Environmental Health**

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