

CARDINAL
CHEMICAL
COMPANY



FIFTY FRANCISCO ST.
SAN FRANCISCO
CALIFORNIA 94133

ACCEPTED

SEP 25 1980

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under

5440-109

EPA EST 5440-CA-1

PROTECTING
THE FOODS
THAT FEED:
THE NATION

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND (DOMESTIC ANIMALS)
CAUTION**

Harmful if swallowed. Avoid breathing vapor. Avoid contact with skin, eyes or clothing. Wear mask or respirator of type recommended by NIOSH (National Institute for Occupational Safety and Health) to give adequate protection against this material. Wear protective clothing. Wash exposed skin with soap and water after handling and before eating. Wash all contaminated clothing with soap and water separately from other clothing before re-use.

FIRST AID

In case of contact, immediately flush skin and eyes with plenty of water for at least 15 minutes. For skin and eyes, call a physician.

PHYSICAL OR CHEMICAL HAZARDS

Extinguish open flame before space spraying. This formulation is combustible. DO NOT USE POUR SPILL OR STORE NEAR HEAT OR OPEN FLAME.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. SEE SIDE PANEL FOR ADDITIONAL INSTRUCTIONS.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by methods of storage or disposal. Open dumping is prohibited unless an EPA approved landfill.

PESTICIDE DISPOSAL: Pesticide spray mixture or concentrate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL: Properly identify, label, and mark. Triple rinse or equivalent, and offer for recycling, reconditioning or disposal in approved landfill or by a safe plan. A container size of 30 gallons or more may be reused and offered for recycling.

GENERAL: Consult federal, state, local and disposal authorities for approved alternate procedure.

DIRECTIONS FOR USE

For ULV Use: In commercial aerosol generators such as the LECO Mini ULV or Microgen. Apply undiluted at the rate of 0.5 fl. oz. of concentrate per 1000 cubic feet of space. Direct output from aerosol generators upward toward upper corners of room and ceiling. This undiluted spray may be applied in facilities operating under USDA poultry, meat, rabbit and egg products inspection program.

Extinguish all flames in the area to be treated. Shut off air conditioning or ventilating equipment.

Vacate room before application. Leave closed for one hour after spraying. Ventilate room thoroughly before re-entry.

Space Spray: To kill adult and less mobile stages of insect pests of stored foods: Grain Weevils, Flour Beetles, Sawtoothed Grain Beetles, Angoumois Grain Moths, Mediterranean Fruit Moths, Indian Meal Moths, Grain Mites, Carpet Beetles and Spider Beetles. Direct output into corners, under pallets and around stacks of packaged foods hitting as many of the insects as possible and then treat as a space spray toward corners of room and ceiling.

To kill flies, mosquitoes, gnats, treat as a space spray directed output toward upper corners of room and ceiling.

Contact Spray: Use undiluted to kill flies, silverfish earwig, crickets, centipedes, scorpions, millipedes, carpet beetles. Apply the spray as a coarse wet spray into cracks and crevices in woodwork, walls, floors, beneath sinks and other insect harborages, contacting as many insects as possible.

To kill wasps and hornets, contact application should be made in late evening when insects are at rest. Spray liberally into hiding places, contacting as many insects as possible. Repeat as necessary.

**CARDINAL
3% INSECTICIDE**

For Food Plant Use

(Contains 0.2 pounds of
Resmethrin per gallon)

FOR INDOOR USE IN ULV, MECHANICAL MISTING
SPRAYERS OR THERMAL FOGGERS

FOR HOMES, STORES, INSTITUTIONS, RESTAURANTS,
FOOD PROCESSING PLANTS, WAREHOUSES, INDUSTRIAL
INSTALLATIONS AND HORSE STABLES

ACTIVE INGREDIENTS

Resmethrin (3-phenoxyphenylmethyl 1,1-dimethyl-2-methyl-3-(2-methyl-3-propenyl)-5-pyrophosphoryl carbonylate)	100% w/w
Related Compounds	4%
Aromatic Petroleum Hydrocarbons	14%
Petroleum Distillate	82.5%
INERT INGREDIENTS	0.12%
	100.00%

This material is not for use on food, feed, or animal products.

Keep out of reach of children.
For use only in accordance with label directions.

**KEEP OUT OF REACH OF CHILDREN
CAUTION!**

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

EPA Reg. No. 5440-109

WARRANTY STATEMENT: The manufacturer warrants that this product, when used in accordance with the label directions, will control the insects named on the label. The use of this product is beyond the control of the manufacturer. No guarantee is expressed or implied. It is made no effort of such of the results described herein. The user must assume all responsibility for the use of this product. The user must assume all responsibility for the use of this product. The user must assume all responsibility for the use of this product.

For mechanical misting equipment such as the Microsol or Challenger Machine. Diluting Instructions: Dilute to 0.5% resmethrin by adding 1 fl. oz. of the 3% concentrate to 5 fl. oz. of petroleum distillate.

Dilute to 0.25% resmethrin by adding to 1 fl. oz. of the 3% concentrate to 11 fl. oz. of petroleum distillate. Dilute to 0.20% resmethrin by adding 1 fl. oz. of the 3% concentrate to 14 fl. oz. of petroleum distillate.

Dilute to 0.10% resmethrin which would be used for flying insects only by adding 1 fl. oz. of the 3% concentrate to 20 fl. oz. of petroleum distillate.

For most effective results against flying insects, operate spraying dispenser adjusted to deliver a fine mist. For flying insects, use either 0.10% or 0.25%.

To kill flies, mosquitoes, gnats, wasps, hornets and small flying moths. Close all doors and windows. Point nozzle upward, direct the spray mist to all parts of the room, especially windows and other light sources which attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room before re-entry. Repeat as necessary.

To kill crawling insects, adjust spray to produce large wetting type spray particles and use either 0.25% or 0.50%.

To kill roaches, earwigs, grain mites, sowbugs, spiders, silverfish crickets, centipedes and grain insects (adults and accessible stages of confused flour beetles, red flour beetles, sawtoothed grain beetles, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths). Spray thoroughly into hiding places such as cracks, crevices, moisture areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

To kill wasps and hornets. Contact application should be made in late evening when insects are at rest. Spray liberally into hiding and nesting places, contacting as many insects as possible. Repeat as necessary.

To kill ants. Spray trails, nests and points of entry. Spray on ants where possible. Repeat as necessary.

THERMAL APPLICATORS - INDOORS: Use 0.2% resmethrin for the control of flies, mosquitoes, gnats in warehouses, restaurants and industrial institutions. Shut off ventilating systems, air ducts, air conditioning equipment and close off room or area to be treated.

Extinguish all flames and pilot lights. Apply as a dry fog at the rate of 1 fl. oz. per 1000 cubic feet of space. Direct nozzle of thermal applicator toward the upper corners of the room and along the ceiling. Close off room for at least one-half hour. Do not remain in treated areas. Ventilate before re-entry.

This concentrate is designed for use undiluted in ULV sprayers such as the LECO Mini or Micro Gen, which give particles of aerosol size. It can also be diluted with oils which meet Food Additive Regulations 121.1182 for use in mechanical fogging equipment such as the Microsol or Challenger machines which give larger particles. It can also be diluted with oil as specified and applied as a contact spray.

In food handling areas, food should be removed or covered previous to treatment. All food processing surfaces should be covered or thoroughly cleaned before using. Apply only when facility is not in operation.

Before application, remove plants and animals from area to be treated. Remove horses before spraying stables.