

# CIRRUS®

## Fogging Concentrate

Specimen Label

- For use in homes, apartments, food and non-food areas of: food processing plants, warehouses, office buildings, hotels, motels, schools, theatres, hospitals and other areas listed
- Designed for use through ULV and fogging equipment
- Delivers fast knockdown and kill of listed insects

### ACTIVE INGREDIENTS:

* (RS)-2-Methyl-4-oxo-3-(2-propynyl) cyclopent-2-enyl- (1RS)-cis, trans-chrysanthemate .....	2.00%
** Piperonyl butoxide, Technical .....	4.00%
*** N-Octyl bicycloheptene dicarboximide .....	6.67%
**** OTHER INGREDIENTS .....	87.33%
	100.00%

\* ETOC®

\*\* Equivalent to 3.20% (butylcarbityl) (6-propylpiperonyl) ether and  
0.80% related compounds

\*\*\* MGK® 264, Insecticide Synergist

\*\*\*\* Contains petroleum distillate



KEEP OUT OF REACH OF CHILDREN

**CAUTION**

See inside for first aid and precautionary statements.

### DIRECTIONS FOR USE

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

Remove pets and birds and cover fish aquariums before spraying.

Do not allow children or pets to contact treated surfaces until spray has dried.

#### FOOD HANDLING ESTABLISHMENT APPLICATIONS

Do not apply directly to food. In a Federally inspected meat and poultry processing facilities, the facility must not be in operation when this product is used, regardless of the method of application. In non-Federally inspected facilities, careful spot and/or crack and crevice application may be used while the facility is in operation provided exposed food is covered or removed from the area being treated prior to application. Space sprays and general surface treatments may be used only when the facility is not in operation provided food has been covered or removed from the area being treated prior to application.

Do not apply directly to food. Do not allow spray to contact stored food or food contact surfaces. Do not apply as a space spray while food processing is underway. Cover or remove foods before treatment. Cover or wash all food processing surfaces and equipment with an effective cleaning compound followed by a potable water rinse. In the home, cover all food processing surfaces, dishes and utensils before treatment or thoroughly wash before use following treatment.

**NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS:** For use in non-food areas of food processing plants, schools, warehouses, theatres, office buildings, industrial plants, hotels, motels, hospitals, kennels, food service establishments, truck trailers, railroad cars, food manufacturing and warehousing establishments. Non-food areas include garbage rooms, lavatories, offices, floor drains to sewers, entries and vestibules, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage areas after canning or bottling.

**This product should be used as directed for the control of the following insects:**

Almond Moths	Granary Weevils
Angoumois Grain Moths	Harlequin Bugs
Ants	Hide Beetles
Blister Beetles	Horn Flies
Blood Sucking Lice	Hornets
Boxelder Bugs	Indian Meal Moths
Cadellles	Khapra Beetles
Carpet Beetles	Leaf Hoppers
Centipedes	Lesser Grain Borers
Cereal Beetles	Mediterranean Flour Moths
Cheese Mites	Mosquitoes
Cheese Skippers	Mushroom Flies
Chocolate Moths	Red Flour Beetles
Cigarette Beetles	Rice Weevils
Clothes Moths	Rusty Grain Beetles
Cockroaches	Saw-toothed Grain Beetles
Coffee Bean Weevils	Scorpions
Confused Flour Beetles	Silverfish
Crickets	Small Flying Moths
Dark Mealworms	Spider Beetles
Darkling Beetles	Spiders
Deer Flies	Stable Flies
Dried Fruit Beetles	Stink Bugs
Drugstore Beetles	Tobacco Moths
Earwigs	Vinegar Flies
Face Flies	Warehouse Beetles
Firebrats	Wasps
Fleas	Yellow Jackets
Flies	
Fruit Flies	
Fungus Gnats	
Gnats	
Grain Mites	

**RESTRICTION:** Product cannot be used: 1) in areas where livestock animals (human food animals) are housed or fed; 2) in any areas where animal feeds are prepared, processed, or stored, and; 3) in any truck beds or truck trailers, freight/tank/container, railroad cars, ship holds, or ship and air freight containers that are used to transport unbagged (bulk) feeds.

**INDOOR USE AREAS**

Do not apply to classrooms when in use.

Do not use in aircraft cabins.

Do not apply to patient rooms in hospitals and nursing homes while occupied.

Do not use undiluted space spray in homes, apartments, condominiums and schools.

**For use in indoor areas such as:**

Apartments	Garbage Trucks	Rabbit Processing Plants
Arcades	Gas Stations	Recreational Vehicles (RVs)
Auditoriums	Grain Elevators	Restaurants
Bakeries	Grain Harvesting & Handling Equipment	Retail Stores
Bars	Grain Mills	Rice Mills
Basements	Granaries	Schools
Bathrooms	Grocery Stores	Smoke Shops
Beverage Plants	Homes (households)	Storage Bins
Boats	Hospices	Stored Food in Multi-walled Paper or Cloth Bags
Bottling Plants	Hospitals	Stores
Breweries	Hotels	Supermarkets
Brewery Warehouses	Industrial Installations	Textile Mills & Warehouses
Buildings	Institutions	Theatres
Busses	Jails	Tool Sheds
Cabinets	Laboratories	Trains
Cabins	Laundromats	Trucks
Cafeterias	Lavatories	Tunnels
Campers	Libraries	Utilities
Canneries	Liquor Stores	Utility Rooms
Carpets	Locker Rooms	Voids (i.e. attics, false ceilings)
Churches	Marinas	Walls & Equipment Voids
Circus Tents	Mausoleums	Warehouses
City Missions	Meat Packing Plants	Wholesale Stores
Closets	Mills	Wine Cellars
Communication Centers	Mini-storages	Wineries
Concession Stands	Mobile Homes	
Condominiums	Morgues	
Court Houses	Motels	
Day Care Centers	Movie Theatres	
Department Stores	Museums	
Diners	Mushroom Processing	
Dog Houses	Nursing Homes	
Drug Stores	Office Buildings	
Dumpsters	Parking Garages	
Egg Processing Plants	Passenger Railroad Cars	
Freight Containers	Planes	
Fruit Packing Sheds	Pool Halls	
Garages	Prisons	
Garbage Bins	Public Storages	
Garbage Cans		
Garbage Compactors		

**USE DIRECTIONS:** This concentrate is designed for use undiluted in mechanical sprayers, which gives particles of aerosol size (5-30 microns). It can be diluted with refined kerosenes, which meet Food Additive Regulation CFR 21, 172.884, and applied in fogging equipment that give larger than aerosol particle size. It can also be diluted with the oil specified above and applied as a contact spray to kill crawling insects shown later on this label. In food warehouse or storage areas do not apply more than once every 4 days. Automated fogging devices can only be used when facilities are not in operation.

### **UNDILUTED APPLICATIONS:**

**SPACE SPRAY** - Undiluted in aerosol generators - To kill Ants, Boxelder Bugs, Cheese Mites, Cheese Skippers, Clover Mites, Earwigs, exposed accessible stages of Flies, Fruit Flies, Gnats, Hornets, Mosquitoes, Small Flying Moths, Wasps and the following common stored product pests: Angoumois Grain Moths, Cadelles, Cigarette Beetles, Confused Flour Beetles, Dark Meal Worms, Drugstore Beetles, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Spider Beetles, Tobacco Moths and Yellow Meal Worms: Remove or cover exposed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Apply at the rate of 1 ounce of undiluted concentrate per 1,000 cubic feet of space. Direct output from aerosol generator toward upper corners of room and ceiling. Leave room closed for 1/2 hour and ventilate thoroughly before re-entry. Do not apply this undiluted spray in facilities operating under USDA meat, poultry, and shell egg grading and egg products inspection programs. Do not remain in treated area.

**NOTE:** If there is a need to treat such areas as conduits, motor housings, junction and switch boxes or other electrical equipment, de-energize electrical equipment prior to application. After application, allow time for oil to evaporate before starting motors or placing switches in the "ON" position.

**CONTACT AND SPACE SPRAY** - Undiluted - To kill Ants, Crickets, Cockroaches, Earwigs, Silverfish and Spiders in sheltered situations: Contact as many insects as possible. Do not allow spray to contact stored food. Use at a dosage rate of approximately 1/2 fluid ounce per 1,000 cubic feet of room space. Do not apply more than once every 4 days for control. Leave the room closed for 1 hour. Do not remain in treated areas and ventilate area before re-entry. Do not apply this undiluted spray in facilities operating under USDA meat, poultry, shell egg grading and egg products inspection programs. The facility must not be in operation when used as a space spray or general surface treatment.

**SPOT, OR CRACK AND CREVICE APPLICATIONS** - Undiluted: Apply in specific areas such as: cracks and crevices in or behind baseboards, in floors, walls, expansion joints, areas around water and sewer pipes, wall voids, or voids in table legs and equipment where pests can hide as well as other similar areas. Spot treatments may also be made to areas including but not limited to storage areas, closets, doors and windows, behind and under refrigerators, cabinets, sinks, stoves, and other equipment, the underside of shelves, drawers and similar areas. Do not apply where electrical short circuits could occur.

### **DILUTED APPLICATIONS:**

**SPACE SPRAY** - Diluted for ordinary mechanical fogging equipment - To kill Flies, Gnats, and Small Flying Moths: This concentrate is designed for use diluted in mechanical sprayers which gives particles of aerosol size (5-30 microns). Cover or remove exposed food and food handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Dilute concentrate with oil at the rate of 1 part concentrate plus 29 parts of oil or 4.5 ounces per gallon and mix well. Apply at the rate of 2 fluid ounces of diluted spray per 1,000 cubic feet of space or 50 fluid ounces dilute spray (0.4 gallons) per 25,000 cubic feet of space. Direct fog upward towards upper corners of room and ceiling area. Leave room closed for 1/2 hour. Do not remain in treated area. Ventilate room thoroughly before re-entry.

**CONTACT SPRAY** - Diluted for use with sprayers that give large, wetting spray particles to kill Cockroaches and accessible stages of Granary Insects: Cadelles, Confused Flour Beetles, Grain Mites, Granary Weevils, Meal Moth Larvae and Adults, Red Flour Beetles, Rice Weevils and Saw-toothed Grain Beetles: Cover or remove exposed food and close room as described above. Dilute concentrate with oil at the rate of 1 part concentrate plus 29 parts of oil or 4.5 ounces per gallon and mix well. Spray outside walls of grain bins, flooring, about base of milling machinery, walls and baseboards, areas behind cabinets, around pipes and other insect harborages using 1 gallon spray per 1,000 square feet of space. Do not apply more than once every 4 days for control.

**To kill Carpet Beetles:** Dilute concentrate with oil at the rate of 1 part concentrate plus 29 parts of oil or 4.5 ounces per gallon and mix well. Apply to floor areas and baseboards. Treat both the underside and topside of infested carpets. Spray inside of trunks, closets and infested areas of shelving. Do not apply more than once every 4 days for control.

**SURFACE SPRAY:** To insure maximum control of crawling insects: Ants, Boxelder Bugs, Clover Mites, Drugstore Beetles, Earwigs, Lice and Spider Beetles: Dilute 1 part concentrate plus 29 parts oil (refined kerosene) and mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture for 750 square feet of surface. Spray walls, floor and other surfaces of bins and storage and handling areas thoroughly, being especially careful to apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Treat unloading, handling and processing areas and inside conveying, processing and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible.

**SPOT AND CRACK AND CREVICE TREATMENT:** For Kill of the following crawling insects: Ants, Boxelder Bugs, Clover Mites, Drugstore Beetles, Earwigs, Lice and Spider Beetles: Dilute 1 part concentrate plus 29 parts oil (refined kerosene) and mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture for 750 square feet of surface. Spot spray walls, floor and other surfaces of bins and storage and handling areas thoroughly, being especially careful to apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Treat unloading, handling and processing areas and inside conveying, processing and handling equipment. Spot spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible.

**STORED FOOD:** (stored in multi-wall bags or cloth bags) in flour mills, grain elevators, granaries, storage rooms, warehouses for kill of Angoumois Grain Moths, Cadelles, Cheese Mites, Cheese Skippers, Cigarette Beetles, Confused Flour Beetles, Dark Meal Worms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Saw-toothed Grain Beetles, Yellow Meal Worms: Remove and destroy infested products. Dilute concentrate with oil at the rate of 1 part concentrate plus 29 parts oil or 4.5 ounces per gallon and mix well. Disperse this product first by directing spray into corners, under pallets and around stacks of packaged foods hitting as many insects as possible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Use a dosage of 1/2 fluid ounce per 1,000 cubic feet of space. Do not remain in treated areas and ventilate the area before re-entry. This application will kill accessible, exposed stages of those stored product pests listed above. Sweep up and destroy fallen insects. Do not apply more than once every 4 days for control.

**FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS:** For kill of exposed or accessible stages of Ants, Earwigs, Flies, Fruit Flies, Gnats, Silverfish, Small Flying Moths, Spiders and Waterbugs. Dilute 1 part concentrate with 3 parts base oil (refined kerosene) and use with ULV spraying device at the rate of 1 ounce per 1,000 cubic feet of room space. Contact as many insects as possible. Before using, exposed food products and packaging materials must be covered or removed. After use, equipment and utensils must be washed with an effective cleaning compound and rinsed with potable water after use of the product. Use as a space spray only when plant is not in operation.

**NOTE:** When using oil as the diluent, an odorless light petroleum hydrocarbon as defined by CFR Title 21, 172.884 should be used for all food area and food related applications. Additionally, when diluted and used according to label directions, this spray will meet specifications for use under USDA meat, poultry, shell egg grading and egg products inspection programs.

## STORAGE AND DISPOSAL

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

**STORAGE:** Store in a warm, dry area. Always store pesticides in the original container. Store away from food and pet food.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry.)

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

For Containers with capacities equal to or less than 5 gallons:

Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with the same oil used to dilute the product for use and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if absorbed through skin and inhaled. Avoid contact with skin and clothing and inhaling vapor or spray mists. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Wear a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter when applying this product as a space spray.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters.

### PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

KEEP OUT OF REACH OF CHILDREN

## CAUTION FIRST AID

### IF SWALLOWED:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or a doctor.
- Do not give any liquid to the person.
- Do not give anything by mouth to an unconscious person.

### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance. Then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** Contains petroleum distillate – vomiting may cause aspiration pneumonia. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.

**CIRRUS**<sup>®</sup>  
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