

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D C 20460-0001



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 21, 2012

Mr Steven E Rogosheske
Chem-Tech, Ltd
4515 Fleur Drive, #303
Des Moines, IA 50321

Subject Amended Reregistration Label
Product Name Hopkins Pestrin Fogging Spray-C1
EPA Registration Number 47000-133
EPA Decision Numbers 411891, 410166

Dear Mr Rogosheske

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the pyrethrins and piperonyl butoxide REDs, and has concluded that your submission is acceptable

NOTE This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time

Please be reminded that 40 CFR Part 156 140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded

- Basic CSF, dated 9/20/2012
- Alternate CSF #1, date 6/11/2010

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not

complied with, the registration will be subject to cancellation in accordance with FIFRA sec 6(e)

If you have any questions about this letter, please contact Samantha Hulkower at 703-603-0683 or hulkower.samantha@epa.gov

Sincerely,



Richard J Gebken
Product Manager (10)
Insecticide Branch
Registration Division (7504P)

*Enclosures Label stamped "Accepted," dated September 21, 2012
Acute Toxicity Review, dated December 2, 2011
Product Chemistry Review, dated December 13, 2011*

HOPKINS PESTRIN FOGGING SPRAY - CI

FOR INDOOR and OUTDOOR INSECT CONTROL in FOOD PROCESSING and on LIVESTOCK

ACTIVE INGREDIENTS

Pyrethrins

5.00%

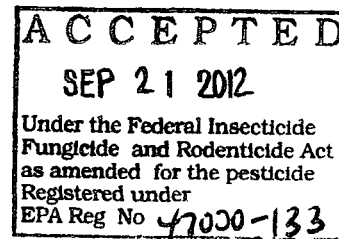
*Piperonyl butoxide

25.00%

****OTHER INGREDIENTS**

70.00%

100.00%



* (butylcarbityl) (6-propylpiperonyl) ether and related compounds

** Contains petroleum distillate

**KEEP OUT OF REACH OF CHILDREN
 CAUTION**

FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • 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 SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice • Do not give any liquid to the person • Do not induce vomiting unless told to do so by a poison control center or doctor • Do not give anything by mouth to an unconscious person
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air • If person is not breathing call 911 or an ambulance then give artificial respiration preferable mouth to mouth if possible • Call a poison control center or doctor for further treatment advice
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes • Remove contact lenses if present after first 5 minutes then continue rinsing eye • Call a poison control center or doctor for treatment advice
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment For addition information on this pesticide product (including health concerns medical emergencies or pesticide incident) you may call 1-888-740-8712</p>	
<p>Note to Physician Contains petroleum distillates Vomiting may cause aspiration pneumonia</p>	

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed Avoid contact with eyes skin or clothing Avoid breathing spray mist or fog
Prolonged or frequently repeated skin contact may cause allergic reactions in some individual

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below If you want more options follow the instructions for category E on an EPA chemical resistance category selection chart

Mixers loaders applicators and other handlers who may be exposed to the dilute and/or concentrate through application or other tasks must wear Long-sleeved shirt and long pants Chemical-resistant gloves such as Barrier Laminate Nitrile Rubber Neoprene Rubber or Viton Shoes plus socks and Protective Eyewear

In addition to the above PPE applicators using hand-held foggers in an enclosed area must wear at least a NIOSH-approved respirator with a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or any N R P or HE filter See engineering controls for additional requirements

USER SAFETY REQUIREMENTS

Follow manufacturer s instructions for cleaning/maintaining PPE If no such instructions for washables exist use detergent and hot water Keep and wash PPE separately from other laundry Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product s concentrate Do not reuse them

User Safety Recommendations

Users should Wash hands before eating drinking chewing gum using tobacco or using the toilet Remove clothing/PPE immediately if pesticide gets inside Then wash thoroughly and put on clean clothing Remove PPE immediately after handling this product Wash the outside of gloves before removing As soon as possible wash thoroughly and change into clean clothing

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides 40 CFR 170 240 (d) (4-6) Human flagging is prohibited Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms including fish and invertebrates Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas This product may contaminate water through run-off This product has a potential for run-off for several weeks after application Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area

Except as specified in the directions for use do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark Do not contaminate water when disposing of equipment washwaters or rinsate

Do not discharge effluent containing this product into lakes streams ponds estuaries oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority For guidance contact your State Water Board or Regional Office of the EPA

PHYSICAL OR CHEMICAL HAZARDS

Combustible Do not use 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

USE RESTRICTIONS

Apply this product only as specified on this label Do not contaminate food or feedstuffs

For surface spray use Do not enter or allow others to enter until sprays have dried

Except when used on livestock do not apply this product in a way that will contact workers or other persons either directly or through drift

Except when used on livestock only protected handlers may be in the area during application Remove or cover exposed food and drinking water before application

After indoor application do not enter or allow others to enter until vapors mists and aerosols have dispersed and the area has been thoroughly ventilated

Do not remain in treated area Exit area immediately and remain outside the treated area until aerosols vapors and/or mists have dispersed Remove or cover exposed food and drinking water before application Remove or cover dishes utensils food processing equipment and food preparation surfaces or wash them before use

When used in indoor food handling/processing facilities Do not make space spray applications when facility is in operation Prior to space spray application cover or remove exposed food Prior to space spray applications cover food processing surfaces or clean after treatment with a suitable detergent rinse with potable water before use Do not apply more than 1 time per day

For direct application to non-domestic animals/livestock Do not apply more than 1 time per day When used in dairy barns or facilities Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects Remove or cover milking utensils before application Wash teats of animals before milking

Do not apply directly into sewers or drains or to any area like a gutter where drainage to sewers storm drains water bodies or aquatic habitat can occur Do not allow the product to enter any drain during or after application

For outdoor applications

All outdoor applications must be limited to spot or crack-and-crevice treatments only except for the following permitted uses

- 1) Treatment to soil or vegetation around structures
- 2) Applications to lawns turf and other vegetation
- 3) Applications to building foundations up to a maximum height of 3 feet

Other than applications to building foundations all outdoor applications to impervious surfaces such as sidewalks driveways patios porches and structural surfaces (such as windows doors and eaves) are limited to spot and crack-and crevice applications only

Do not make applications during rain Do not wet plants to the point of runoff Do not wet articles to the point of runoff or drip Do not use treated article until spray has dried Do not use in aircraft cabins

Not for use in outdoor residential misting systems (indoor or outdoor)

For post-harvest applications to stored grains and seed Do not re-apply within 30 days

Remove pets birds and cover fish aquariums before spraying

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General This concentrate is designed for use undiluted or diluted in mechanical sprayers which gives particles of aerosol size It can also be diluted with refined kerosenes which meet Food Additive Regulation 21 CFR 172 884 The pyrethrins concentration of dilutions recommended on this label can be determined from the following table

Pyrethrins concentration	Amount of this product	Amount of deodorized base oil
0 1%	1 Part	49 parts
0 2%	1 Part	24 parts
0 3%	1 Part	15 2/3 parts
0 4%	1 Part	11 1/2 parts
0 5%	1 Part	9 parts
0 6%	1 Part	7 1/3 parts

Note to User When a range of rates is recommended use lower concentrations for light infestations and higher concentrations for heavy infestations

INDOOR USE AS A SPACE SPRAY, UNDILUTED

Close windows and doors and shut off air conditioning and ventilating systems Use a fogger aerosol generator or other equipment adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns) Apply at a rate of 1/2 to 1 fluid ounce per 1000 cubic feet of space Direct the spray toward the ceiling and upper corners of the space and behind obstructions Keep the area closed for at least 30 minutes Do not remain in treated area Exit area immediately and remain outside the treated area until aerosols vapors and/or mists have dispersed Sweep up and destroy fallen insects Repeat treatment if re-infestation occurs but not more often than 1 time per day

This method of application will control exposed accessible stages of flies (including fruit flies) mosquitoes Asian beetles gnats small flying moths wasps hornets clover mites cheese mites cheese skippers boxelder bugs earwigs ants and the following common stored product pests granary weevils rice weevils confused flour beetles saw-toothed grain beetles spider beetles cigarette beetles drugstore beetles angoumois grain moths Mediterranean flour moths Indian meal moths tobacco moths yellow mealworms dark mealworms grain mites cadelles and red flour beetles

INDOOR USE AS A CONTACT SPRAY – UNDILUTED

Use in a mechanical aerosol generator or other fogging device adjusted to deliver aerosol droplets Direct the spray first into all cracks and crevices behind all equipment cupboards or dark harborage areas into wall and floor voids under sinks and other damp drainage areas and all other places that harbor insects Contact as many insects flushed from hiding as possible Do not allow spray to contact stored food Then treat as a space spray directing the spray into upper corners of the room and ceiling at the rate of 1 fluid ounce per 1 000 cubic feet of space Facilities and equipment in federally inspected meat and poultry plants must be washed with an effective cleaning solution and rinsed with potable water after spraying Vacate treated area and leave the area closed for 1 hour Ventilate thoroughly before re-entry This treatment will kill cockroaches crickets silverfish sowbugs earwigs ants and spiders in addition to the flying insects mentioned above Do not apply more than 1 time per day

Dried Fruit Products in storage or being processed for control of cockroaches confused flour beetles cereal beetles dried fruit beetles almond moths Indian meal moths saw toothed grain beetles fruit flies cigarette beetles fungus gnats red flour beetles Khapra beetles silverfish and Mediterranean flour moths Remove and destroy infested products As noted above disperse this product as a fine mist in the air above the trays and shelves Do not apply to fruit directly Use 1 fluid ounce per 1000 cubic feet of space Repeat applications as necessary for insect control but do not exceed more than 10 applications in any given month Leave the room closed for 1 hour Do not remain in treated areas and ventilate before reentry Sweep up and destroy any fallen insects

Stored Food (stored in multi-wall or cloth bags) in warehouses storage rooms flour mills grain elevators granaries and other listed areas for control of angoumois grain moths almond moths

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cadelles confused flour beetles cheese skippers Indian meal moths Mediterranean flour moths rice weevils saw-toothed grain beetles grain mites granary weevils yellow mealworms dark mealworms red flour beetles cockroaches fruit flies fungus gnats and warehouse beetles Remove and destroy infested products As noted above 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 Use at the rate of 1 fluid ounce per 1000 cubic feet

Infested stored products should be destroyed fumigated or treated by other effective methods using an approved product intended for such purpose

Do not remain in treated areas and ventilate area before reentry This application will kill accessible exposed stages of those stored pests listed above Sweep up and destroy fallen insects Do not apply more than 1 time per day

For use on Peanuts, Nuts (Almonds and Walnuts), Beans (including Cocoa), Seeds (birdseed mixtures, Cottonseed and Flaxseed) and Copra in bulk, bags or other packaging for control of accessible stages of angoumois grain moths almond moths cadelles cereal beetles confused flour beetles drugstore beetles Indian meal moths Mediterranean flour moths rice weevils saw-toothed grain beetles grain mites granary weevils yellow mealworms dark mealworms red flour beetles cockroaches coffee bean weevils crickets fruit flies fungus gnats warehouse beetles and other listed insects Apply to the surface of stored or bagged products at the rate of ¼ fluid ounce per 1 000 square feet Also spray walls floors and other surfaces of bins storage and handling areas and equipment thoroughly being especially careful to treat cracks crevices and other hiding places Then apply as a space spray by directing the spray toward the ceiling and upper corners of the area and behind any obstructions Apply at the rate of 1 fluid ounce per 1 000 cubic feet of room space Do not remain in treated area and ventilate before re-entry

INDOOR USE AS A SPACE SPRAY, DILUTED

General For use on ordinary mechanical fogging equipment to control accessible exposed stages of flies (including fruit flies) mosquitoes small flying moths gnats wasps hornets cheese skippers and these stored product pests granary weevils rice weevils confused flour beetles saw-toothed grain beetles spider beetles cigarette beetles drugstore beetles angoumois grain moths Mediterranean flour moths Indian meal moths tobacco moths mealworms and grain mites Close room and shut off air conditioning or ventilating equipment Dilute 1 part concentrate plus 49 parts deodorized base oil and mix well Apply at the rate of 1 to 2 fluid ounces per 1 000 cubic feet filling the room with mist Direct spray upward towards the corners of room and ceiling Keep area closed for at least 30 minutes Vacate treated area and ventilate before re-entry Do not apply more than 1 time per day

AS A SPACE SPRAY IN FOOD AND NONFOOD AREAS OF FOOD PROCESSING PLANTS, INDUSTRIAL INSTALLATION, BAKERIES, RICE AND WHEAT MILLS, RESTAURANTS, TOBACCO WAREHOUSE, GRAIN ELEVATORS, HOMES AND WAREHOUSES

With equipment which produces a true aerosol spray a dilution of 1 part concentrate plus 4 parts water and apply at the rate of 1 fluid ounce per 1 000 cubic feet of room space Direct the spray into all cracks and crevices in woodwork walls floors underneath sinks behind pipes and equipment and all places that shelter insects Contact as many insects driven out by the spray as possible Before use 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 Use as a space spray only when plant is not in operation Repeat as necessary but not more than once per day (24 hours)

INDOOR USE IN HOMES, RESTAURANTS, FOOD PROCESSING PLANTS, INDUSTRIAL INSTALLATIONS, AND WAREHOUSES AS A SURFACE SPRAY, DILUTED

for control of crawling insects including ants beetles boxelder bugs cockroaches crickets silverfish and sowbugs Dilute 1 part concentrate plus 49 parts water and mix well Except for edible product areas of food processing in food handling establishments a dilution of 1 part concentrate plus 9 to 49 parts deodorized base oil may be used for surface sprays Apply as a coarse wetting spray using approximately 1 gallon of spray mixture per 750 square feet of surface Spray walls floors and other surfaces of bins and storage and handling areas being especially careful to treat cracks crevices floor drains behind cabinets around pipes and other harborages Treat unloading handling and processing areas and inside conveying processing and handling equipment Spray insects directly when possible Repeat

as necessary but not more than once per day (24 hours) Do not use on surfaces where oil residue is objectionable

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 with the above dilution at 1 gallon per 1 000 square feet

As an aid in control of mosquitoes gnats and wasps and skippers treat walls ceilings screens door and window frames beams light cords and similar resting areas with the above dilution

To Control Carpet Beetles use the above dilution to spray edges of carpeting and under carpeting and rugs (Certain carpet fibers or backing may be affected by this product test an inconspicuous area before completing treatment) Make a localized application to floor and baseboards and spray directly into cracks closets and infested areas of shelving Repeat as infestations occur but not more often than once per day

To Control Bedbugs use the above dilution to spray mattresses lightly particularly around tufts buttons and seams Take beds apart and spray in all joints and cracks Treat baseboards mouldings and floors Repeat as infestations occur but not more often than once per day

To Control Fleas And Brown Dog Ticks use the above dilution to spray infested areas pet beds resting quarters nearby cracks and crevices along areas of floor and floor coverings Fresh bedding should be placed in animal quarters following treatment Concurrent treatment of animals with a product registered for animal application for flea control is usually necessary for effective results Repeat as infestations occur but not more often than once per day

Treatment of Stored Grain To control Indian meal moths and angoumois grain moths in stored grain use the above dilution and apply to the surface of binned grain at a rate of ½ gallon spray mixture per 1 000 square feet Apply at monthly intervals with the first appearance of moths and continue until early fall In case of severe infestation break up webbing with rake before spraying and make second application in 2 weeks

Poultry houses, Dairy and Beef barns, Horse Barns, Swine Housing, Zoo Housing, Milking parlors, Milk rooms, Dairies and Other Listed Areas Use with equipment which produces a true aerosol spray to kill flies mosquitoes gnats small flying moths and exposed cockroaches Cover or remove exposed food and watering troughs and close building as tightly as possible Dilute concentrate with water at the rate of 1 part concentrate plus 7 1/3 to 15 2/3 parts deodorized base oil and mix well Direct spray upward and apply until room is filled with mist Keep closed for at least 30 minutes and ventilate thoroughly before reentry If possible space spray application should be made in the late evening when insects are at rest Do not apply more than 1 time per day

For ordinary mechanical fogging equipment prepare as above and dilute 1 part concentrate plus 24 to 49 parts of deodorized base oil and mix well Direct fog upward toward corners of room and ceiling above animals Vacate room and leave closed for at least 30 minutes Ventilate thoroughly

To Control Poultry Lice spray roosts walls and nests or cages thoroughly with a dilution of 1 part concentrate with 25 parts deodorized base oil This should be followed by spraying over the birds with a fine mist

LIVESTOCK To protect beef and dairy cattle horses swine goats from hornflies houseflies mosquitoes and gnats dilute 1 part concentrate plus 15 2/3 to 49 parts deodorized base oil and mix well Apply a light mist sufficient to wet the tips of the hair To control stable flies horseflies and deerflies on beef and dairy cattle and horses apply 2 fluid ounces of spray mixture per adult animals Application should be SUFFICIENT TO WET HAIR BUT NOT TO SOAK THE HIDE Use proportionately less for smaller animals Repeat treatment once daily to give continued protection

To control the mobile stages of blood sucking lice on beef and dairy cattle apply the spray to thoroughly wet the hair Use 2 fluid ounces of spray mixture or less per adult animal and proportionately less for smaller animals Repeat every 2 to 3 weeks as required

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To control face flies on beef and dairy cattle use sufficient material to wet the face and head but do not spray into the eyes Repeat as necessary when flies are troublesome but not more than once per day (24 hours)

OUTDOOR APPLICATION – UNDILUTED

For Temporary Reduction of Annoyance from flies mosquitoes gnats and other listed insects Use equipment to produce an aerosol spray and spray at a dosage rate of 5 fluid ounces per minute Direct spray into tall grass shrubbery and around perimeter of lawns where these pests may rest or hide Apply when wind is calm and if possible apply in the evening when insects are at rest Avoid wetting foliage In areas such as zoos and animal quarters cover water drinking fountains and animal feed before spraying

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

Pesticide Storage Keep container tightly closed when not in use Do not store with food or food stuffs Store in a cool dry well-ventilated area

Pesticide Disposal Pesticide wastes are acutely hazardous Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance

Container Handling Nonrefillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip Fill the container ¼ full with appropriate spray oil and recap Shake for 10 seconds Pour rinsate into application equipment or 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 Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities

Net Contents _____

Manufactured by
Chem-Tech LTD
4515 Fleur Dr
Des Moines IA 50321

EPA Reg No 47000-133

EPA Est No 47000-IA-1

8/24/12 Draft per EPA letter 8/16/12