

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



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 15, 2012

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

Subject: Amended Reregistration Label
Product Name: Permethrin .5% Multipurpose Spray
EPA Registration Number: 47000-148
EPA Decision Number: 413569

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 Permethrin RED, 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.

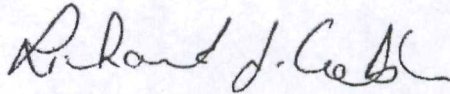
In addition, please note that the record for this product currently contains the Confidential Statement of Formulation (CSF) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated May 13, 2011
- Alternate CSF #1, dated May 13, 2011

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 Julie Chao at (703) 308-8735 or chao.julie@epa.gov.

Sincerely,



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

*Enclosures: Label stamped "Accepted," dated March 15, 2012
Acute Toxicity Review, dated September 29, 2010
Product Chemistry Reviews, dated May 5 and June 6, 2011*

Permethrin .5% Multipurpose Spray

Editors Note: Text in Brackets [] indicates alternate or optional wording, any or all of which may appear on the final labeling.

- [For Domestic Use Both Indoors and Outdoors]
- [For Control of Fleas, Brown Dog Ticks, and Lice on Premises and on Dogs]
- [For Control of Ticks Which may Cause Lyme Disease on Premises]
- [For Control of Livestock Pests]
- [Controls Fleas and Ticks on Dogs for 35 Days]
- [Provides [60-Day] [Two Months] Control of Cockroaches]
- [Provides [60-Day] [Two Months] Control of Fleas]
- [Provides [60-Day] [Two Months] Control of Stored Product Pests]
- [Protects Your Animals]
- [Indoor/Outdoor + On-Animal Use]
- [Kills & Repels Flies [6 types], Mosquitoes & Gnats]
- [35-Day Control of Fleas & Ticks on Dogs]
- [60-Day Control of Cockroaches, Spiders & Ants]
- [.5% Permethrin]
- [With Citronella] [Scent] [Fragrance]

ACCEPTED
MAR 15 2012

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

EPA. Reg. No: 47000-148

ACTIVE INGREDIENT:

*Permethrin..... 0.5%

OTHER INGREDIENTS:..... 99.5%

TOTAL 100.0%

*(3-phenoxyphenyl)methyl (+/-) cis/trans 3-(2,2-dichloroethenyl)-2,2-diemethylcyclopropanecarboxylate (Cis/Trans ratio: Min. 35% (+/-) cis and max. 65% (+/-) trans.)

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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information contact: National Pesticide Information Center at 1-800-858-7378.	

EPA Reg. No. 47000-148

EPA Est. No. 47000-IA-1

Net Contents:

Manufactured By:
Chem-Tech, Ltd.
Des Moines, IA 50321

See additional precautions and directions on [back] [side] [inside] [panel] [booklet]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and

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water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic organisms including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

This pesticide 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.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves made of any waterproof material.

User Safety Requirements

Follow manufacturer's instructions for cleaning and 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 materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL BEFORE EACH USE.

[Affix trigger, pump or other type sprayer to container for application.] [Do not transfer to another container.]

SHAKE WELL BEFORE USING

Avoid contamination of feed and foodstuffs.

PRECAUTIONS AND RESTRICTIONS

Except when applying to pets or livestock, do not enter or allow others to enter until sprays have dried.

Do not use on crops used for food, forage or pasture.

Do not apply this product with a sponge.

Except when applying to pets and livestock, do not apply this product in a way that will contact workers or other persons, either directly or through drift.

Except when applying to pets and livestock, only protected handlers may be in the area during application.

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.

Not for use in outdoor residential misting systems.

Do not use in commercial food/feed handling establishments, restaurants or other commercial facilities where food is commercially prepared, processed, served or stored. Do not use in institutions, schools, office buildings or similar commercial buildings.

Do not breathe dust, vapors, or spray mist.

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Cover or remove all food processing surfaces and utensils during treatment, and thoroughly wash before use.
Do not apply when food or drinking water is present.
Not for broadcast use on indoor residential surfaces.
Do not use in aircraft cabins.
Not for use in commercial animal premise automatic misting systems.

INDOOR APPLICATION

For spot application only. Do not use as a space spray indoors. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed. Remove pets and birds and cover fish aquariums before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry.

SURFACE SPRAYING

Hold sprayer approximately 12 to 15 inches away from surfaces to be treated and spray until surface is damp, but not to the point of run-off.

For 60-day [two months] control of COCKROACHES, WATERBUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray trails, nests and points of entry.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards, spray until surface is damp, but not to the point of run-off. Spray directly into cracks, crevices and infested areas of shelving.

TO CONTROL BEDBUGS: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Allow to dry thoroughly before remaking bed. Treat baseboards, moldings and floors.

TO CONTROL FLEAS (ADULTS AND LARVAE) AND TICKS, INCLUDING TICKS WHICH MAY CARRY LYME DISEASE (ADULTS AND LARVAE): Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be place in animal quarters following treatment. Repeat treatment every 35 days as needed. Allow to dry thoroughly before allowing pets to contact treated areas. To control the source of flea infestations, treat your pet with a product registered for animal application. Also, treat your yard with a product registered for yard application.

TO CONTROL CLOTHES MOTHS: Remove any infested articles from storage, brush thoroughly and air for several hours in sunlight if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly keeping nozzle at least three feet from fabric to avoid staining.

TO KILL LICE AND LOUSE EGGS: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all treated articles to dry thoroughly before use.

ON LIVESTOCK

TO PROTECT CATTLE (BEEF AND DAIRY), GOATS, SHEEP, HOGS AND HORSES FROM HORN FLIES, FACE FLIES, HOUSE FLIES, MOSQUITOES AND GNATS: Apply a light mist sufficient to wet the surface of the hair. For Face Flies, spray face and head but do not spray into eyes.

TO CONTROL STABLE FLIES, HORSE FLIES AND DEER FLIES: Apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOOD SUCKING LICE: Apply to the infested areas of the animal using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

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TO CONTROL POULTRY LICE: Spray floors, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide.

FOR PET USE - USE ONLY ON DOGS

Consult a veterinarian before using this product on debilitated, medicated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

TO CONTROL FLEAS, TICKS AND LICE: Start spraying at the tail moving the dispenser rapidly and making sure that the animal's entire body is covered including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly but do not saturate animal. Do not spray into eyes or face. Avoid contact with genitalia. Use protective gloves or mitts when applying product. Repeat every 35 days as necessary for control.

NOTE: Not for use on puppies less than 12 weeks old. **DO NOT USE ON CATS OR KITTENS.**

OUTDOOR APPLICATION

General Restrictions and Precautions:

Do not water the treated area to the point of run-off. Do not make applications during rain.

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.

Application is prohibited 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.

TO CONTROL TICKS INCLUDING TICKS WHICH MAY CARRY LYME DISEASE (PERIMETER TREATMENT): Use PERMETHRIN .5% MULTIPURPOSE SPRAY as a residual treatment to control TICKS including the DEER TICK (*Ixodes dammini*), LONE STAR TICK (*Amblyomma americanum*), BROWN DOG TICK (*Rhipicephalus sanguineus*), AMERICAN DOG TICK (*Dermacentor variabilis*), and WESTERN BLACK LEGGED TICK (*Ixodes pacificus*): For each areas listed below, apply until surface is wet, but not to the point of runoff (approximately 1 gal/750-1,000 ft.).

Treat around windows and doors, porches, screens, eaves, patios, garages, under stairways and in crawl spaces where these pests may enter.

Treat a band of vegetation and leaf litter 3 to 6 feet wide around and the outside of buildings to help control ticks occurring there. To help control ticks in outdoor activity areas, treat a band of vegetation and leaf litter 6 to 10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

FOR CONTROL OF GARDEN INSECTS: For use on roses, dahlias, asters and other ornamentals to kill JAPANESE BEETLES hit by spray as well as WHITEFLIES, APHIDS, EXPOSED THRIPS, SPIDERS, RED MITES and LEAFMINERS. May be used on plants as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, eunonymus, fuschia, geraniums, crassula grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against WHITEFLIES, APHIDS, SPIDER AND RED MITES, EXPOSED THRIPS, LACE BUGS, JAPANESE BEETLES, PAVEMENT ANTS, CLOVER MITES AND ARMYWORMS.

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When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90° F. Contact insects directly whenever possible.

Not for use on plants being grown for sale or other commercial uses or for commercial seed production or for research purposes.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry, and secure area. Store in original sealed container away from food or feed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container.

If empty: Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTICE

It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Chem-Tech, Ltd, the manufacturer or seller. To the extent consistent with applicable law, Chem-Tech, Ltd, the manufacturer or seller shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. Except as warranted by this label, Chem-Tech, Ltd, the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Chem-Tech, Ltd's, the manufacturer's or seller's total liability shall be limited to damages not exceeding the cost of the product.

3/14/2012 PDCI Draft