

1021-1740

8/24/2010

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr. Thomas A. Lennan  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427-4372

AUG 24 2010

Dear Mr. Lennan:

Subject: Amendment- new Confidential Statement of Formula (CSF)-  
basic and add clothing treatments to repel ticks  
Evercide® Permethrin Multi- Purpose Spray 27781  
EPA Registration Number 1021-1740  
Your submission dated March 26, 2010

Your basic Confidential Statement of Formula (CSF) dated June 10, 2010 has been reviewed and is acceptable with the following comments:

1. The CSF alternate formulation (dated February 10, 2010) is not acceptable; since it contains an inert ingredient which is not acceptable for food uses (see enclosed Confidential Appendix).

2. The data submitted corresponding to guidelines 830.1600 (description of materials used to produce the product), 830.1650 (description of formulation process), and 830.1670 (discussion on the formulation of impurity), and 830.1750 (certified limits) are acceptable.

3. No data were submitted or cited for the guideline 830.1800 (enforcement analytical method). This is a product specific data requirement and you must submit or cite a validated analytical method to determine the active ingredient content of this product.

4. The product chemistry data submitted corresponding to guidelines 830.6302 (color), 830.6303 (physical state), 830.6314 (oxidation/reduction), 830.6315 (flammability), 830.6316 (explosibility), 830.6319 (miscibility), 830.7000 (pH), 830.7100 (viscosity) and 830.7300 (density) are acceptable.

The revised CSF for the basic formulation (dated June 10, 2010) will supersede the current basic CSF (dated January 3, 2000).

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following comments:

- 1. The residual claim for the clothing treatment should be six weeks. Some of the text still includes a two-week minimum residual claim. Please correct.

A stamped label is enclosed for your records.

If you have any questions you may contact Linda A. DeLuise at 703.305.5428.

Sincerely yours,

*Linda A. DeLuise*

f Richard Gebken  
 Product Manager (13)  
 Insecticide Branch  
 Registration Division (7505P)

Enclosure

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EVERCIDE® PERMETHRIN Multi-Purpose Spray 27781

**MGK®**

**McLAUGHLIN  
GORMLEY  
KING COMPANY**

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4372 U.S.A. - Telephone (763) 544-0341

[ ] OR ( ) indicates alternate or optional wording

For Domestic Use Both Indoors and Outdoors  
For Control of Fleas, Brown Dog Ticks, and Lice on Dogs and on Premises  
For Premise Control of Ticks Which may Cause Lyme Disease  
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]

[Water-based, No oily residue]  
[Easy to use]

[Lock & Load Cartridge]  
[No Mixing, No Handling, No Mess]

[Protects your yard from biting adult mosquitoes]  
[Spray (EVERCIDE® PERMETHRIN Multi-Purpose Spray 27781) before your event to kill (control) flies, mosquitoes and gnats]

[A residual barrier control product to kill mosquitoes in outdoor residential areas]

[Mosquitoes are not only a nuisance; they can transmit diseases that are a serious health threat to people and pets. With just one bite, mosquitoes can transmit West Nile Virus and other viruses that cause encephalitis. They can also transmit heartworm disease to dogs and cats.]

[(EVERCIDE® PERMETHRIN Multi-Purpose Spray 27781) provides rapid kill of insects without objectionable residues.]

**ACTIVE INGREDIENT:**

Permethrin [(3-Phenoxyphenyl) methyl (+ or -) cis-trans-3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate] ..... 0.50%

**OTHER INGREDIENTS**..... 99.50%  
100.00%

\* Cis-trans isomers ratio: Min. 35% (+ or -) cis and Max. 65% (+ or -) trans

EVERCIDE® - Registered trademark of McLaughlin Gormley King Company

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
AUG 24 2010  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
1021-1740**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FIRST AID**

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

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 the International Poison Center at 1-888-740-8712.

Net Contents \_\_\_\_\_

Manufactured by:  
**Mc LAUGHLIN GORMLEY KING COMPANY**  
8810 Tenth Avenue North  
Minneapolis, MN 55427

EPA Reg. No. 1021-1740

EPA Est. No. 1021-MN-2

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PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION**

Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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.

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.

FOR PET USE. USE ONLY ON DOGS.

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. 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.

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

INDOOR APPLICATION

For spot application only. Do not use as a space spray indoors. Do not apply to classrooms while in use. 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.

SURFACE SPRAYING

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 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 placed 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.

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly, 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.  
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 recommended for use on puppies less than 12 weeks old. DO NOT USE ON CATS OR KITTENS.

GENERAL INSTRUCTIONS FOR CLOTHING TREATMENT:

For protection against Ticks (including those which may carry Lyme disease), chiggers and mosquitoes, apply product as directed below. For further protection, use in conjunction with an insect repellent registered for direct application to the skin and utilize the following primary preventive measures. Avoid areas where the pests are found, wear appropriate protective clothing (light-colored, long-sleeved shirt and long pants tucked into socks) and inspect body daily for ticks. Pant cuffs should be worn inside the socks or footwear to ensure full protection against ticks and chiggers.

INITIAL TREATMENT INSTRUCTIONS:

1. Select a well-ventilated outdoor area protected from wind and lay out the clothing to be treated (as complete outfit; shirt, trousers and socks).
2. Spray about 6 to 8 inches from surface of the [article or] clothing and spray with a slow sweeping motion to lightly moisten the surface of the fabric.
3. Continue spraying over entire [article or] outfit, until the outer surface of the fabric is moist enough to cause a slight color change or darkening. Pay special attention to socks, trouser cuffs and shirt cuffs.
4. Turn the [article or ] clothing over and treat the other side as described in Steps 2 & 3.
5. Hang the treated [article or ] clothing and allow to dry for at least 2 hours (4 hours under humid conditions) before wearing.

RETREATMENT INSTRUCTIONS:

This product contains an active ingredient which actually binds to the fabric being treated, providing residual protection which lasts a minimum of two weeks, and holds up through several machine washings. DO NOT RETREAT CLOTHING MORE THAN ONCE EVERY SIX WEEKS. LAUNDER CLOTHING AT LEAST ONCE BEFORE RETREATING. For retreatment, follow instructions for initial treatment.

INITIAL TREATMENT INSTRUCTIONS ON NETS, TENTS, SLEEPING BAGS AND BACKPACKS:

**Do not treat inside of sleeping bag. Spray exterior surfaces of tent only.**

Select a well-ventilated outdoor area protected from wind and lay out article to be treated. Spray about 6 to 8 inches from surface of the article and spray with a slow sweeping motion to lightly moisten the surface of the fabric. Continue spraying over entire article, until the outer surface of the article is moist enough to cause a light color change or darkening. Turn the article over and treat the other side as described in steps 2 and 3. Hang the treated article and allow to dry for at least 2 hours (4 hours under humid conditions) before using.

RETREATMENT INSTRUCTIONS:

This product contains an active ingredient that actually binds to the fabric being treated, providing residual protection that lasts a minimum of six weeks. DO NOT RETREAT ARTICLES MORE THAN ONCE EVERY SIX WEEKS. For retreatment, follow instructions for initial treatment

OUTDOOR APPLICATION

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

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.

TO CONTROL TICKS INCLUDING TICKS WHICH MAY CARRY LYME DISEASE (PERIMETER TREATMENT): Use EVERCIDE® PERMETHRIN Multi-Purpose Spray 27781 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.

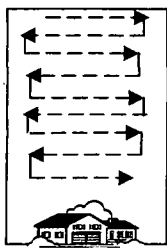
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Treat a band of vegetation and leaf litter 6 to 10 feet wide around and the outside of buildings to help control ticks occurring there. To help control ticks in outdoor activity areas, treat a band of vegetation and leaf litter 6 to 10 feet wide and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



Wind

**TO KILL MOSQUITOES, GNATS, AND FLIES (OUTDOOR BARRIER TREATMENT):** Caution should be taken to avoid spraying when wind conditions could create a mist to blow back to the applicator. Do not apply this product in or around bodies of water. Barrier applications provide long-lasting control of adult mosquitoes by applying a residual product to cool, humid areas where adult mosquitoes congregate during sunny warm dry periods. Barrier treatments of harboring vegetation not only control adult mosquitoes within, but also prevent rapid re-infestation of residential and recreational areas.

[For use with the Clarke Mosquito Sweeper and lock & load Sweeper Cartridge: Shake cartridge gently before use. DO NOT open cartridge. Do not puncture tip. Follow equipment manufacturer's directions for loading the cartridge into the spray unit. The Clarke Mosquito Sweeper has a fixed flow rate of 3.2 fluid ounces per minute. No adjustment is necessary. One cartridge treats up to 5,000 sq. ft.] Apply when walking at a slow, comfortable pace to the perimeter of residential yards, paths, recreational or other outdoor treatment areas. Pay special attention to standing weeds, bushy non-crop areas, grasses and other areas of dense vegetation where mosquitoes may harbor. Treat a band of vegetation up to 10 feet wide. Use a sweeping motion. Ensure even coverage of entire harborage areas.

For use in open outdoor areas, begin spraying at the furthest downwind edge of the treatment area. While walking at a slow, comfortable pace, spray perpendicular to the wind pointing the nozzle downwind, until reaching the opposite edge of the treatment area. Continue this motion upwind every 10 feet until entire treatment area has been sprayed (see treatment diagram).

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. Directly contact insects 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 water, food, or feed by storage and disposal.

#### **Pesticide Storage**

Store in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food.

#### **Pesticide Disposal and Container Handling**

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.