

1021-1759

09/08/2011

1/6



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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Steve K. Ditto
McLaughlin Gormley King Company
8810 Tenth Avenue North
Minneapolis, MN 55437

SEP 08 2011

**Subject: Amended Reregistration Label for Evercide Industrial Mothproofer
EPA Registration No. 1021-1759**

Dear Mr. Ditto;

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 referenced product in connection with the **PERMETHRIN RED**, and has concluded that your submission is acceptable.

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

PLEASE NOTE: That the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any other CSF's are superseded.

- Basic CSF, dated: September 11, 2002
- Alternate CSF, dated: May 28, 2004
- Alternate CSF, dated: July 7, 2007

A copy of your label stamped "Acceptable" 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 Regina Foushee-Smith at (703) 605-0780 or via e-mail at foushee-smith.regina@epa.gov.

Sincerely Yours,

A handwritten signature in black ink, appearing to read "Richard Gebken".

Richard Gebken
Product Manager 10
Insecticide Branch
Registration Division (7505P)

*Enclosures: Label stamped "Accepted" dated: September 8, 2011
Acute Toxicity Review dated: September 24, 2010
Product Chemistry Review dated: April 4, 2011*

2/6

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MGK®

**McLAUGHLIN
GORMLEY
KING COMPANY**

EVERCIDE® Industrial Mothproofer

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4319 U.S.A. - Telephone (763) 544-0341

[] OR () indicates alternate or optional wording
INDUSTRIAL MOTHPROOFER/INSECTICIDE

- [FOR MANUFACTURING USE IN PRODUCING WOOL AND WOOL POLYAMIDE BLENDS]
- [EVERCIDE® INDUSTRIAL MOTHPROOFER IS STABLE IN BOILING ACID AND NEUTRAL (BELOW pH 7.5) DYE BATHS FOR AT LEAST 7 HOURS]
- [EVERCIDE® INDUSTRIAL MOTHPROOFER EXHIBITS VERY GOOD LEVELING PROPERTIES. IT CAN BE APPLIED AT A pH RANGE OF 2.5 - 6.0]
- [THE MOTHPROOFING PROPERTIES OF EVERCIDE® INDUSTRIAL MOTHPROOFER ARE NOT GENERALLY ADVERSELY AFFECTED BY LEVELING AGENTS IN DYE BATHS]
- [EVERCIDE® INDUSTRIAL MOTHPROOFER DOES NOT HAVE A RETARDING EFFECT OF THE DYE STUFF AFFINITY FOR WOOL OR WOOL/NYLON BLENDS]
- [A DURABLE MOTHPROOFING AGENT FOR WOOL AND OTHER PROTEINACEOUS FIBERS]
- [EVERCIDE® INDUSTRIAL MOTHPROOFER IS AN INSECTICIDE FOR USE BY PROFESSIONAL OPERATORS FOR THE PROTECTION OF WOOL AND WOOL/POLYAMIDE BLENDS AGAINST WOOL PESTS]
- [EVERCIDE® INDUSTRIAL MOTHPROOFER CAN BE APPLIED BY SEVERAL METHODS: DYEBATH, AFTER TREATMENT, BATCHWISE OR CONTINUOUS SCOURING OR WASHING (RAW OR FABRIC), YARN IN THE SPINNING LUBRICANT, SPECIALIZED CARPET TREATMENTS, SOFTER BOWL OF KROY HERCOSETT, REDUCTION BLEACHING]

ACTIVE INGREDIENT:

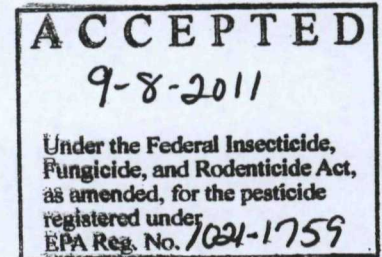
* Permethrin [* (3-Phenoxyphenyl) methyl (±) cis-trans-3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate]	25.6%
** OTHER INGREDIENTS	74.4%
	100.0%

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

EVERCIDE®, MGK® - Registered trademarks of McLaughlin Gormley King Company

** Contains Petroleum Distillates

KEEP OUT OF REACH OF CHILDREN WARNING



FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> ▪ Call a poison control center or doctor immediately for treatment advice. ▪ Have person sip a glass of water if able to swallow. ▪ Do not induce vomiting unless told to do so by a poison control center or doctor. ▪ Do not give anything to an unconscious person.
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.
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. You may also contact 1-888-740-8712 for emergency medical treatment information.	

NET CONTENTS _____

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

EPA Reg. No. 1021-1759

EPA Est. No. 1021-MN-2

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. Avoid contact with skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt and long pants, socks and shoes, and chemical resistant gloves (such as those made of barrier laminate, Nitrile Rubber, Neoprene Rubber, or Viton. Selection category E).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All other mixers, loaders, applicators, and other handlers must wear:

- Long-sleeve shirt and long pants,
- Shoes plus socks,
- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, or viton and
- Chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate.

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 materials that have been drenched (except as required by directions for use) or heavily contaminated with this 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. 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.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates.. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of the 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 Environmental Protection Agency (EPA). Do not contaminate water when cleaning or disposing of equipment wash waters.

PHYSICAL AND CHEMICAL HAZARDS

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

EVERCIDE® Industrial Mothproofer does not stain or color wool. EVERCIDE® Industrial Mothproofer prevents feeding and kills insect pests of wool. Permethrin has a high affinity for wool and does not bind preferentially to polyamide in wool/polyamide blends. For this reason, there is no requirement for increased application rates of EVERCIDE® Industrial Mothproofer when treating wool/polyamide blend yarns. EVERCIDE® Industrial Mothproofer is fast to washing, perspiration, abrasion, shampooing, and dry cleaning. It also provides adequate protection of wool from attack by larvae of:

- Moths

the brown house moth	<u>Hofmannophila pseudospretella</u>
the webbing clothes moth	<u>Tineola bisselliella</u>
casebearing clothes moth	<u>Tinea translucens</u>
casebearing clothes moth	<u>Tinea pellionella</u>
casebearing clothes moth	<u>Tinea dubiella</u>
- Fur beetles

	<u>Anthrenus flavipes</u>
	<u>Anthrenus verbasci</u>
- Carpet beetles

	<u>Attagenus megatoma</u>
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Do not exceed an application rate equivalent to 1.25 grams of a.i. per square meter of fabric.

Do not enter or allow others to enter until sprays have dried.

Do not apply this product in a way that will contact workers or others , either directly or through drift. Only protected handlers may be in the area during application.

CONTINUOUS SCOURING OR WASHING

The continuous application of EVERCIDE® Industrial Mothproofer is only economical if large quantities of wool are being processed because of the initial charge required in the treating bath. The mothproofing agent should be applied from the last bowl or wash box with no further rinsing. To ensure that EVERCIDE® Industrial Mothproofer is being applied uniformly, it is necessary that the diluted

product be added continuously to keep the bath concentration fairly constant.

SPINNING LUBRICANT APPLIED TO YARN

EVERCIDE® Industrial Mothproofer may be applied in the spinning lubricant applied to yarn which is then subjected to steaming. The steaming process should be of at least 8-10 minutes duration at 105°C (221°F).

EVERCIDE® Industrial Mothproofer may be applied in spinning lubricant applied to yarn to be made up into carpet which will be foam backed. In this case, the finished carpet will be subjected to the following foam backing sequence of a least 10 minutes duration: steam - precoat -dry - foam application - bake.

SPECIALIZED CARPET APPLICATIONS

EVERCIDE® Industrial Mothproofer may be applied to carpets as a spray prior to backing applications and as an addition to the print paste. Details are given under Methods of Application.

KROY-HERCOSETT

EVERCIDE® Industrial Mothproofer may be applied from the final softener bowl of the backwashing line (95-194°F or 35-40°C) of the Kroy Hercosett treatment to proof blankets, curtains and car seat covers.

METHOD OF APPLICATION:

DYEBATH

1. Dilute the product with water and add to the dyebath prior to adding the acid.
2. Then add the other auxiliaries, acid, and dyes. Run in the usual manner.

APPLICATION FOR STOCK, YARD, OR PIECE DYEING AND YARN SETTING

The calculated quantity of EVERCIDE® Industrial Mothproofer to give the % owg for the level of protection required is added to the dyebath or setting bath after diluting with water at a rate of 1 part EVERCIDE® Industrial Mothproofer to 7.5 parts water. The calculated quantity of EVERCIDE® Industrial Mothproofer should be preferably added to the cool bath before immersing the wool or yarn. EVERCIDE® Industrial Mothproofer may be applied in the dyebath during loose stock, yarn and piece dyeing. When fabrics or yarns are to undergo further finishing after dyeing (e.g. tape scouring of stock dyed carpet yarns, piece scouring stock or yarn dyed upholstery fabrics) EVERCIDE® Industrial Mothproofer should be applied during the finishing process and not during dyeing. If application during dyeing is unavoidable then application rates should be increased by 25%. EVERCIDE® Industrial Mothproofer may also be applied during the dyeing of yarn for carpets which will be chemically washed (to provide a high-luster finish). However, because the chemical washing procedure removes a proportion of the permethrin applied, higher initial application rates must be adopted. EVERCIDE® Industrial Mothproofer may also be applied to as little as 20% of yarn intended for carpet manufacture if treatment levels are raised and the treatment yarn is intimately mixed with untreated yarn. This is particularly suitable for dry-spinning operations in which the dyed portion of a Berber blend may be over treated or even blank dyed for the purposes of applying EVERCIDE® Industrial Mothproofer. Fastness achieved in the dyebath is greater than by lubricant application allowing a technically superior result at economical cost.

APPLICATION FOR BLANKETS, CURTAINS AND CAR SEAT COVERS

EVERCIDE® Industrial Mothproofer is applied in the dyebath after diluting at a rate of 1 part EVERCIDE® Industrial Mothproofer to 7.5 parts water. The dyebath should be acidified by the addition of 3% on weight of wool (oww) formic acid 90%. The material is allowed to wet thoroughly at 68°F (20°C) and the diluted EVERCIDE® Industrial Mothproofer then added. The temperature of the dyebath is then raised to the boil and held at that temperature for 30 minutes.

AFTERTREATING BATH

1. Dilute EVERCIDE® Industrial Mothproofer in water and add to the treatment bath containing the goods at 115°F (45°C).
2. Then add X% (owg) acetic acid, prediluted with water (pH 4-5).
3. Run 30 minutes.

The treated fabric does not require a subsequent rinse. The addition of cold water to the bath for cooling down does not affect the mothproofing effect.

CARPETS

EVERCIDE® Industrial Mothproofer may be applied in the final acidification step of chemical washing. The calculated quantity of EVERCIDE® Industrial Mothproofer acetic acid (1% owg) are mixed with sufficient water to give a liquid to carpet ratio of 3 parts liquid to 1 part carpet by weight. The liquid is heated to 122°F (50°C) and sprayed onto the carpet. Brush the face of the pile (and occasionally the back of the carpet) for 5 minutes. Allow to stand for 10 minutes and repeat brushing procedure for 5 minutes. Remove excess water using squeegees and allow to dry.

EVERCIDE® Industrial Mothproofer may also be used as an after-treatment following chemical washing. The carpet should be immersed in water at 20°C containing the calculated amount of EVERCIDE® Industrial Mothproofer to give the % owg or the level of protection required using liquid to carpet ratio of 10 parts liquid to 1 part carpet by weight. The liquid should be forced into the carpet by applying frequent pressure to the carpet for a period of approximately 10 minutes. Acetic acid should then be added to the bath at 1% owg and further pressure applied to the carpet for a period of 20 minutes, turning the carpet occasionally when possible. Remove carpet from treating vessel and remove excess water using squeegees. Allow to dry. When carbonized goods are to be treated, they have to be neutralized with ammonia to pH 6-7 prior to the EVERCIDE® Industrial Mothproofer application. Residual amounts of the carbonizing acid can cause too fast striking of EVERCIDE® Industrial Mothproofer.

CONTINUOUS SCOURING OR WASHING

1. The last bowl is set with - 0.23 g/l (0.033 oz/gal) EVERCIDE® Industrial Mothproofer at a temperature of 115-120°F (45-

50°C).

2. Subsequent additions are based on the hourly output of wool - 0.23% on the weight of raw wool. The EVERCIDE® Industrial Mothproofer is diluted with water, and this solution is added continuously to the bath during the entire treatment or, if this is not possible, in portions.

3. Example:

A 2,000 pound lot of wool is to be washed with EVERCIDE® Industrial Mothproofer. The hourly output of the continuous washer is 440 pounds. The capacity of the last bowl in the washer is 528 gallons.

Initial Charge: 0.23g/l = 1.05 pounds EVERCIDE® Industrial Mothproofer/ 528 gallons

SUBSEQUENT ADDS:

0.23% of 2,000 pounds = 4.6 pounds EVERCIDE® Industrial Mothproofer.

These adds would be approximately 2 pounds/hour. Dilute this amount to 12 gallons with water and add 1 gallon every 5 minutes unless a continuous feed system is available. The degree of dilution can be varied somewhat, but the higher the dilution, the better for uniformity in adding to the treatment bath.

EVERCIDE® Industrial Mothproofer may also be applied in continuous scouring by metered addition. In this process, before any yarn is treated the final bowl should be charged at a rate of 0.14 ml EVERCIDE® Industrial Mothproofer or 0.56 ml of diluted EVERCIDE® Industrial Mothproofer per liter (2.1 ml diluted per gallon) of liquor volume and thoroughly stirred. The metering device should be filled with EVERCIDE® Industrial Mothproofer and stirred every hour. During the passage of yarn through the bowl the diluted EVERCIDE® Industrial Mothproofer should be metered into the bowl at a rate of 39 oz. or 78 oz. per 1000 lb. of yarn depending on the level of protection required.

SPINNING LUBRICANT APPLIED TO YARN

Select a spinning lubricant compatible with EVERCIDE® Industrial Mothproofer.

The quantity of spinning lubricant (usually mixed with water) that is retained by a given quantity of wool during yarn spinning should be calculated.

Select the level of protection required and then dilute the EVERCIDE® Industrial Mothproofer in the total volume of lubricant so that the volume retained by each batch of yarn after spinning will contain sufficient EVERCIDE® Industrial Mothproofer to give the required % owg. To optimize the uptake of EVERCIDE® Industrial Mothproofer add a small quantity of acid (e.g. acetic acid) to the spinning solution to obtain a final pH of 5-6. Mix the product in the tank to obtain and keep a homogeneous product. If possible, warm the spraying solution to 122°F (50°C).

Treatment of the yarn should then follow normal lubricant application practice.

SPECIALIST CARPET APPLICATIONS

EVERCIDE® Industrial Mothproofer may be applied as a spray prior to backing application. This application method may leave a relatively high deposit of active ingredient on the surface of the carpet, the finish of which may therefore be detrimentally affected. Spraying should be carried out as the carpet is being conveyed to the packing process. Spray nozzles should be selected to provide a coarse spray. The volume of water picked up by a given weight of carpet should first be determined. EVERCIDE® Industrial Mothproofer should then be diluted with water as appropriate to achieve the desired application rates as is the predetermined pick-up rate. Addition of a small quantity of .01% w/v (1 mL/L) of 80% acetic acid to the emulsion may aid fastness. During the subsequent backing procedure the carpet should pass through the following sequence: steam - precoat - dry - foam back - bake.

EVERCIDE® Industrial Mothproofer may be applied by addition to the print paste. This application method may leave a deposit of active ingredient on the surface of the carpet, the finish of which may therefore be detrimentally affected. It should only be used for all-over print patterns (or if a blank paste containing EVERCIDE® Industrial Mothproofer is used in uncolored areas) and if steaming follows printing. Penetration of print paste to the base of the tufts should be ensured.

OXIDATIVE/REDUCTIVE BLEACHING

EVERCIDE® Industrial Mothproofer may be applied during a two part oxidative/reductive bleaching process by addition to the reductive bleaching liquor (e.g. stabilized hydrosulphite solution).

HORSE HAIR AND BRISTLES

Treat the loose material for 1 hour at 120-130°F (50-55°C) with 0.3-0.5% (owg) EVERCIDE® Industrial Mothproofer; pH 4.0-4.5 (acetic acid).

If the loose material is to be dyed, the EVERCIDE® Industrial Mothproofer can be added to the dyebath.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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 DISPOSAL:

Metal Containers: Triple rinse or (equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Plastic Containers: Triple rinse or (equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.