

1021-1759

01/02/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

1021-1759

Date of Issuance:

JAN - 2 2002

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:

Conditional

Name of Pesticide Product:

Evercide Industrial
Mothproofers

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

McLaughlin Gormley King Company
8810 Tenth Avenue North
Minneapolis, Minnesota 55427-4372

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phase "EPA Registration No.1021-1759".

Signature of Approving Official:

Date:

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3. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosure

Evercide Ind Mothproofer 900



EVERCIDE® Industrial Mothproofer

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4372 U.S.A.

TELEPHONE (763) 544-0341

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-dichloroethyl) 2,2-dimethylcyclopropanecarboxylate]	25.6%
OTHER INGREDIENTS	74.4%
	<hr/> 100.0%

* Cis-trans isomers ratio: Min. 35% (±) cis and Max. 65% (±) trans
 EVERCIDE® - Registered trademark of McLaughlin Gormley King Company

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST-AID

IF SWALLOWED:	<ul style="list-style-type: none"> • If victim is alert and not convulsing, rinse mouth out and give 200-300 mL (1 cup) of water to dilute material. • IMMEDIATELY contact your local Poison Control Center. • Vomiting should only be induced under the direction of a physician or a Poison Control Center. • If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in vomitus, rinse mouth and administer more water. • IMMEDIATELY transport victim to emergency facility. • Do not give anything by mouth to an unconscious person.
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 the first 15 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN	<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 information regarding medical emergencies or pesticide incidents, call the International Poison Center at 1-888-740-8712.

ACCEPTED with COMMENTS in EPA Letter Dated

JAN - 2 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

1021-1759

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, absorbed through skin or inhaled. May cause eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish. 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 washwaters.

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

INDUSTRIAL MOTHPROOFER

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>

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 washbox 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.

YARN IN THE SPINNING LUBRICANT

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 overtreated 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 the 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.

YARN IN THE SPINNING LUBRICANT

Select a spinning lubricant compatible with EVERCIDE® Industrial Mothproofer.

The quantity of spinning lubricant (usually mixed with water) which 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 printing is followed by steaming. 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.

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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.

NET CONTENTS _____

Manufactured by:
Mc LAUGHLIN GORMLEY KING COMPANY
8810 Tenth Avenue North
Minneapolis, MN 55427
Made in U.S.A

EPA Reg. No. 1021-

EPA Est. No. 1021-MN-2