

279-3448

11/28/2012

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

NOV 28 2012

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. John F. Wright
Authorized Representative for FMC Corporation
c/o Product & Regulatory Associates, L.L.C.
P.O. Box 1683
Voorhees, NJ 08043

Subject: Amendment to Change Primary Brand Name
TalstarGuard™ TMB Termite Moisture Barrier
EPA Registration Number: 279-3448
Application Dated: November 8, 2012
Decision: 471648

Dear Mr. Wright:

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

If you have any questions, please contact Melody Banks on 703 305-5413 or via E-mail @ banks.melody@epa.gov.

Sincerely,

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

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

Enclosure: Stamped Accepted Copy of Product Label

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TalstarGuard™ TMB

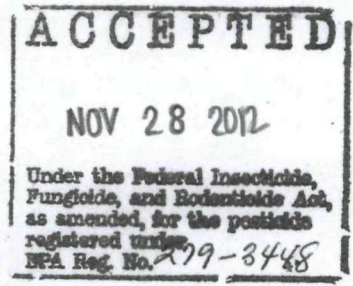
Termite Moisture Barrier

For the protection of residential, institutional, public, commercial, industrial structures from concealed termite entry. A pre-construction termite barrier system for the protection of structures from subterranean termites. Forms a complete pre-construction treatment providing both termite and moisture protection or as a flexible termite management system that may be used as part of an integrated termite management system.

For use by individuals/firms licensed or registered by the state or territory to apply termiticide products. States or territories may have more restrictive requirements regarding qualifications of persons using this product. Consult the pest control regulatory agency of your state or territory prior to use of this product.

Active Ingredient:	
Bifenthrin*.....	0.1%
Other Ingredients:	99.9%
	100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum.
U.S. Patent No. 4,238,505



**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See additional precautionary statements, storage and disposal and directions for use inside booklet.

EPA Reg. No. 279-3448

EPA Est. No.

[FMC Logo]

FMC Corporation
Agricultural Products Group
Philadelphia, PA 19103

Net Contents: 13 X 164 Feet (4 X 50 Meters)

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FIRST AID (Pyrethroid)	
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.
HOT LINE NUMBER (Pyrethroid)	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-331-3148 for Emergency Assistance	
Note to Physician: This product is a pyrethroid. If large amounts have been ingested, milk, cream or other digestible fats and oils may increase absorption and so should be avoided.	
For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).	

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

Caution

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear protective gloves. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals..

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate any water by disposal of this product.

Directions for Use

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

Precautions and Restrictions:

Do not use for remedial treatment of pre-existing termite damage.

TalstarGuard TMB Termite Moisture Barrier must be installed as a complete and continuous barrier. Any gaps, punctures, or tears present in the sheet after installation must be repaired as per the instructions in the use directions.

For complete under slab sheet installations, installers are to select an appropriate width sheet to minimize the number of joints needed to complete the barrier installation.

For joining sheets, attaching sheets to surfaces and treatment of penetrations, see instruction section below.

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For specific details on the installation of the sheet for full under slab treatments, perimeter treatments, service penetrations, retaining walls and construction joints see instructions below.

Follow state, territories and local regulations to meet minimum treatment standards for preventative pre-construction treatments. To provide protection against most common entry points of subterranean termites, it is necessary to effectively secure the perimeter of the building. When using the TalstarGuard TMB Termite Moisture Barrier after the final grading has been done around the structure, a treatment may be applied to the outside perimeter of the structure using an EPA-registered approved termiticide, e.g. Talstar® P Professional Insecticide.

Product information

TalstarGuard TMB Termite Moisture Barrier is a professional termite management system for new structures and extensions to existing structures. The purpose of TalstarGuard TMB Termite Moisture Barrier is to deter concealed entry by subterranean termites from the soil into a structure above the termite barrier. TalstarGuard TMB Termite Moisture Barrier is not designed as a remedial treatment for existing termite damage.

TalstarGuard TMB Termite Moisture Barrier contains an active ingredient that is dispersed fully throughout the plastic sheeting. This means that there is no top or bottom to the sheet – it may be installed equally effectively no matter which side is up.

TalstarGuard TMB Termite Moisture Barrier may be installed as a complete under slab treatment providing both termite and moisture protection or as a flexible termite management system that can be used as part of a complete termite management system. If TalstarGuard TMB Termite Moisture Barrier is used in combination with a concrete slab acting as physical termite barrier, the slab must be poured in accordance with local slabs and footings requirements.

Use Rate

A single sheet thickness is sufficient to form an effective termite and moisture barrier.

Critical application details

The installation of TalstarGuard TMB Termite Moisture Barrier must be in accordance with local, territory and state building requirements.

Pre-Installation

Prior to installing TalstarGuard TMB Termite Moisture Barrier, it is suggested that a site inspection is performed and the following precautions are carried out. Elimination of any active colony of economically important wood feeding species of subterranean termite found within the property boundary up to a distance of 164 ft. (50m) from the proposed new building work. All tree stumps, logs, and roots, shall be excavated and removed from the building footprint. All timber off-cuts, building debris, removable framework and other waste materials shall be removed from the area where the TalstarGuard TMB Termite Moisture Barrier is to be installed. All structural material below the ground is to be made from termite resistant material such as masonry, concrete, steel, etc.

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Joining sheets

In almost all use situations TalstarGuard TMB Moisture Termite Barrier sheeting is held in place by construction materials as the structure is built. For instance under-slab installations are held in place by the slab itself exhibiting downward pressure. In such cases adhesives or bonding agents used to join sheets are required until these construction components are installed. In situations where construction materials do not exert pressure on sheet overlaps such as perimeter cavities a permanent bond must be created. Such a bond can be made by high strength construction adhesives or heat-sealing using a portable heat sealer.

TalstarGuard TMB Termite Moisture Barrier sheeting can be joined using an appropriate adhesive or bonding agent. Appropriate adhesives are those designed by the manufacturer to provide a construction grade bond between two impervious plastic sheets. If unsure of the suitability of the adhesive to be used contact the adhesive manufacturer for technical support or otherwise test the adhesion of the product on a small section of the TalstarGuard TMB Moisture Termite Barrier product. Ensure that a minimum of 8 in. (200mm) overlap is achieved when joining.

Complete under-slab treatment

TalstarGuard TMB Termite Moisture Barrier provides both termite and moisture protection when installed as a complete under-slab treatment. Install the sheet on top of the bedding sand prior to laying steel reinforcing mesh. Ensure there is enough overlap sheet at the slab edge to allow full moisture and termite protection. Ensure that no holes are made in the sheet when laying the steel mesh. The concrete is then poured on top of the TalstarGuard TMB Termite Moisture Barrier.

Perimeter treatment

In-fill Slab

Secure the plastic sheeting to the outer edge of the brickwork and fold the sheet over the top of the brickwork securing it to the internal brickwork towards the footings. Ensure that prior to the slab being poured that the sheet is securely held in place using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. The damp proof course is installed above the TalstarGuard TMB Termite Moisture Barrier level.

Rebated slab edge

TalstarGuard TMB Termite Moisture Barrier is to be installed before the timber frame has been raised. Attach one edge of the sheet to the slab to ensure the frame bottom plate will be placed on top of the sheet using an appropriate adhesive or bonding agent. The second edge is fixed to the upper surface of the brickwork with the outside leading edge being visible in the damp proof course (DPC) horizontal mortar joint using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. Any excess TalstarGuard TMB Termite Moisture Barrier sheet is installed into the cavity.

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Corners

Corners must be carefully installed ensuring finished corner is smooth and sheeting is continuous. Make slits from the edge of the sheet into the corner of the slab to allow folding of the sheet around the corner. At a corner two sheets must be joined and sealed using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to with a minimum of 8 in. (200mm) overlap.

Service Penetrations

Vertical penetrations:

When installing TalstarGuard TMB Termite Moisture Barrier as a whole slab application, service penetrations must be protected. To construct a TalstarGuard TMB Moisture Termite Barrier penetration collar, each penetration requires 2 patches of TalstarGuard TMB Termite Moisture Barrier (minimum size 12 x 12 in. (300mm x 300mm)). Make a crosswise slit in one of the patches and pull it tightly down over the penetration. Using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to, adhere the patch to the TalstarGuard TMB Termite Moisture Barrier sheet and then wrap the patch around the penetration and adhere the two together. Using the second patch make a crosswise slit and pull the patch over the penetration down onto the first patch. Again use an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. Adhere the edges of the patches to the moisture membrane. Ensure there are no gaps between the moisture membrane, the square TalstarGuard TMB Termite Moisture Barrier patches and the penetration.

Multiple penetrations

Clusters of penetrations in close proximity are termed multiple penetrations or cluster penetrations. Treat each penetration separately ensuring a minimum of 4 in. (100mm) TalstarGuard TMB Termite Moisture Barrier sheet extends from each penetration and the TalstarGuard TMB Termite Moisture Barrier sheet is overlapping between each of the penetrations. Ensure a double layer of TalstarGuard TMB Termite Moisture Barrier sheet, as described in the vertical penetrations directions above, protects each penetration.

Retaining walls

TalstarGuard TMB Termite Moisture Barrier can be used as a termite barrier when installed against a retaining wall. TalstarGuard TMB Termite Moisture Barrier does not negate the necessity for installation of conventional water proofing materials. TalstarGuard TMB Termite Moisture Barrier must be installed down to the base of the wall plus 8 in. (200mm) across the footing, in order to cover the base course mortar joint, and secured to the external concrete/brickwork. All joints and edges must be sealed using appropriate adhesive or bonding agents designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to.

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Construction joints

Install a minimum of 12 in. (300mm) wide strip of TalstarGuard TMB Termite Moisture Barrier immediately under the construction joint by adhering it to the moisture membrane. If TalstarGuard TMB Termite Moisture Barrier is being used in a continuous manner as the moisture membrane there is no need for installing an additional strip under the construction joint. The TalstarGuard TMB Termite Moisture Barrier strip must be located central to the construction joint.

For existing concrete to new concrete joints – including additions, paths, etc

Fix one edge of the TalstarGuard TMB Termite Moisture Barrier sheet to the existing vertical slab edge surface using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. The TalstarGuard TMB Termite Moisture Barrier sheet must start within 0.75 in. (20mm) of the upper edge of the new concrete. Adhere all joints and ensure that the TalstarGuard TMB Termite Moisture Barrier sheet remains continuous towards the footing and for at least 6 in. (150mm) horizontally under the new concrete and must be adhered to the upper surface of the moisture membrane using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to.

For existing masonry to new concrete joints – including additions, paths, etc

Using appropriate filler, fill mortar joints and uneven surfaces for a vertical distance of at least 1 in. (25mm) and within 0.75 (20mm) of the upper edge of the new concrete. Fix one edge of the TalstarGuard TMB Termite Moisture Barrier sheet to the existing vertical edge surface using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. The TalstarGuard TMB Termite Moisture Barrier sheet must start within 0.75 in. (20mm) of the upper edge of the new concrete. Adhere all joints and ensure that the TalstarGuard TMB Termite Moisture Barrier sheet remains continuous towards the footing and for at least 6 in. (150mm) horizontally under the new concrete and must be adhered to the upper surface of the moisture membrane using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to.

Service Requirements:

TalstarGuard TMB Moisture Termite Barrier contains an insecticide, which will both kill and repel termites that come into contact with it. The objective of TalstarGuard TMB Moisture Termite Barrier is to prevent concealed access from subterranean termites. Termites can still crawl around the barrier, but if this occurs, a visual mud trail (often referred to as a mud tube) will be evident and regular inspections will identify this.

Efficacy trial data to date indicate that a correctly installed TalstarGuard TMB Moisture Termite Barrier will prevent concealed termite entry by subterranean termites for at least six years. Regular competent inspection is suggested as part of an ongoing termite management

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program. Service requirements are to be determined as a result of at least an annual inspection by a licensed Pest Management Operator (PMP). More frequent inspections may be required in high-risk termite areas. In determining the need for service, factors such as local termite pressure, breaches of the barrier and termiticide longevity is to be considered.

Subterranean termites are on occasions capable of bridging termite barriers and therefore regular inspections by PMP will significantly increase the probability of detection of termite activity before any damage or costly repairs are required.

STORAGE AND DISPOSAL

Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. **Pesticide Storage:** Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, close tightly.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC (800) 331-3148.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide or rinsate is a violation of Federal law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling: [Plastic Bags] Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Completely empty bag. Then offer for recycling, if available or dispose of empty bags in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

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Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

To the extent allowed by law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

FMC, Talstar & TalstarGuard - Trademarks of FMC Corporation

Formulated and packaged in Australia

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Container Label

TalstarGuard™TMB Termite Moisture Barrier

For the protection of residential, institutional, public, commercial, industrial structures from concealed termite entry. A pre-construction termite barrier system for the protection of structures from subterranean termites. Forms a complete pre-construction treatment providing both termite and moisture protection or as a flexible termite management system that may be used as part of an integrated termite management system.

For use by individuals/firms licensed or registered by the state or territory to apply termiticide products. States or territories may have more restrictive requirements regarding qualifications of persons using this product. Consult the pest control regulatory agency of your state or territory prior to use of this product.

Active Ingredient:

Bifenthrin* 0.1%

Other Ingredients: 99.9%
100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum.
U.S. Patent No. 4,238,505

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See additional precautionary statements and directions for use in the attached booklet.

EPA Reg. No. 279-3448
Batch No.

EPA Est. No.

[FMC Logo]

FMC Corporation
Agricultural Products Group
Philadelphia, PA 19103

Net Contents: 13 X 164 Feet (4 X 50 Meters)

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FIRST AID (Pyrethroid)	
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.
HOT LINE NUMBER (Pyrethroid)	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-331-3148 for Emergency Assistance	
Note to Physician: This product is a pyrethroid. If large amounts have been ingested, milk, cream or other digestible fats and oils may increase absorption and so should be avoided.	
For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).	

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

Caution

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wear protective gloves. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. .

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate any water by disposal of this product.

STORAGE AND DISPOSAL

Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

Pesticide Storage: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, close tightly.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC (800) 331-3148.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

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Container Handling: [Plastic Bags] Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Completely empty bag. Then offer for recycling, if available or dispose of empty bags in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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