

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY 12 1994

Beatrice C. Hubbard  
 Reemay, Inc.  
 P.O. Box 511  
 70 Old Hickory Blvd.  
 Old Hickory, TN 37138-3651

Dear Ms. Hubbard:

Subject: Revised Labeling and Confidential Statement of Formula  
 Biobarrier I-4  
 EPA Registration No. 59823-1  
 Your Submission Dated April 8, 1994

The labeling 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. Please submit three (3) final printed copies for the above mentioned label before releasing the product for shipment.

The Agency has reviewed your submission for the revised Confidential Statement of Formula dated April 8, 1994 for the basic formulation and has determined it to be acceptable. The Confidential Statement of Formula has been added to your file as part of the record.

Sincerely yours,

Joanne I. Miller  
 Product Manager (23)  
 Fungicide-Herbicide Branch  
 Registration Division (7505C)

Enclosure

CONCURRENCES							
SYMBOL	7505C						
SURNAME	D. KENNY						
DATE	5/10/94						

**Precautionary Statements**

Hazards to Humans and Domestic Animals

**CAUTION:**

Causes eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Do not get in eyes, on skin, or clothing. The active ingredient (trifluralin) may cause skin sensitization reactions in certain individuals.

Use eye protection and protective clothing such as coveralls, a long sleeve shirt, and impermeable gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**Environmental Hazards:**

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

**Physical Hazards:**

Do not 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.

**STORAGE AND DISPOSAL**

**Storage:** Store in original container only. Store in dry place out of direct sunlight.

**Pesticide Disposal:** Do not contaminate water, food, or feed by storage or disposal. Waste resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty container. Then dispose of wrap and/or box in a sanitary landfill or by incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

**General Directions:**

Biobarrier® is a multi-year root control system which is strategically positioned in the soil to protect structures from plant root encroachment (see applications). Biobarrier controls roots by establishing an in-soil barrier plane of trifluralin, which prevents root tip cell division. Roots are either stopped or redirected away from structures. Trifluralin is not systemic but can limit root mass. The multi-year feature of Biobarrier is provided by a time-release mechanism which continues to meter trifluralin into the soil as the exposed trifluralin biologically and chemically degrades. Structure protection is provided by placing the Biobarrier fabric between the root source and the structure. Since the fabric is flexible and permeable, installation may be custom contoured to obtain the most desirable root system redirection for the application and/or to accommodate obstacles.

**Bio barrier**  
Root Control System

Biobarrier is a multi-year root control system consisting of time-release nodules impregnated with a herbicide. The nodules are attached permanently to a flexible and permeable geotextile fabric which can be contour applied to a wide variety of applications and which will inhibit plant root encroachment in the applications set forth below.

**Active Ingredient:**

Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine).. 18.9%

Inert Ingredients: 81.1%

**TOTAL 100.0%**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**If in eyes:** Flush eyes with plenty of water. Call a physician.  
**If swallowed:** Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.  
**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation develops.  
**If inhaled:** Remove individual to fresh air. If breathing difficulty occurs, get medical attention.

See Side Panel for Additional Precautionary Statements.

Mfg. by:



70 Old Hickory Blvd.  
P.O. Box 511  
Old Hickory, TN 37138  
1-800-257-6687

EPA Registration No. 59823-1  
Establishment No. 59823-TN-1

**Applications Directions:**

Biobarrier® is ready for in-soil installation as received. The fabric should be in soil as soon as practical after removal from the sealed shipping container minimizing exposure to direct sunlight and elevated temperatures. Prolonged exposure can reduce the effective life of the product. Store any unused portions of the product tightly resealed in the original container in a dry place.

Biobarrier can be installed in the soil vertically, horizontally, or as a surround. Vertical applications typically require standard ditch/trench digging equipment (Follow all applicable codes when digging below surface). Vertical fabric position can be maintained by suspending it at the top with hangers. Horizontal applications may require seaming or hold down pegs. Surround applications may involve a variety of holding devices to assure fabric position. In all applications, nodules must be no further than 1-1/2 in. apart in order to assure a continuous root barrier plane. Fabric should extend a minimum of 18" beyond structure area to be protected as roots can grow around edges of fabric. A minimum of 2" soil overlay should also be maintained for horizontal applications. For vertical applications, the top edge must be at least 1" below the soil surface.

Biobarrier used in retrofit applications, where roots are already present, requires roots be interrupted with a root pruner or equivalent device. Root control will not be effective if roots penetrate fabric at time of installation.

**Disclaimer of Warranties**

The Seller makes no warranties concerning this product or its use which extend beyond the standard specifications for the products. The Seller makes no warranties of merchantability or fitness for a particular purpose, or any other express or implied warranty.

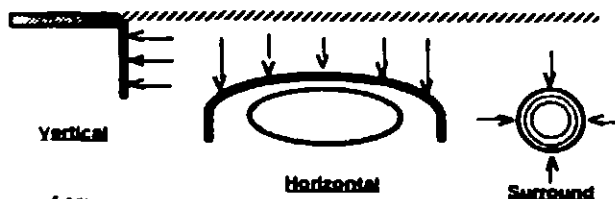
Buyer assumes all risk and liability resulting from use of the products delivered hereunder, whether used singularly or in combination with other products. All statements concerning this product apply only when used as directed.

**Limitation of Damages**

No claim of any kind, whether as to products delivered or for nondelivery of products, and whether or not based on negligence, shall be greater in amount than the purchase price of the products in respect to which damages are claimed. No charge or expense incident to arbitration will be allowed unless approved by an authorized representative of Seller. Products shall not be returned to seller without seller's prior permission, and then only in a manner prescribed by Seller. The remedy set by provider shall be the exclusive and sole remedy of Buyer, and in no event shall (K) or party be liable for special, indirect or consequential damages, whether or not caused by or resulting from the negligence of each party.

**Biobarrier Applications\***

- Curbs
- Roads
- Septic Fields
- Swimming Pools
- Bole/Golf Cart Paths
- Utility Substations
- Burial Vaults/Tombstones
- Sidewalks
- Planting Beds
- Tennis Courts
- Building Foundations
- Hazardous Waste Landfills
- Underground Pipes/Cables



Fabric  
Nodule  
Soil

\*Non Food / Ornamentals  
in EPA Letter Dated

MAY 12 1994

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

59823-1

**BEST AVAILABLE COPY**