

MAY 15 1992

Mr. Richard L. Conn  
W. P. Grace & Co. - Conn.  
7379 Route 32  
Columbia, MD 21044

Dear Mr. Conn:

Subject: Margosan - O  
FPA Reg No. 11688-5  
Your submission of September 10, 1991

RECORDS

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3 (c)(7)(A) requesting acceptance for your revised Confidential Statement of Formula, and labeling change from 0.3% to 0.25% is acceptable provided that you:

1. Realize the reviews of your submission (s) is/are ongoing, and should additional information be required once this/these review (s) is/are completed, you will have to provide the information necessary to maintain this approval.

2. In addition, you must 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.

3. Submit five (5) 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 sec. 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.

Sincerely Yours,

*Willie H. Hutton*  
Phil Hutton, PM-18

Insecticide Rodenticide Branch  
Registration Division

**BEST AVAILABLE COPY**

PROPOSED AMENDED LABEL

FRONT PANEL

**MARGOSAN-O® BOTANICAL INSECTICIDE CONCENTRATE**

For effective management of whiteflies, thrips, mealybugs, leafminers, loopers, caterpillars, beet armyworms, aphids, ants, flies, cockroaches, fleas, weevils, psyllids, webworms, hornworms, spruce budworms, pine sawflies, and gypsy moths on ornamentals, trees, and shrubs, in and around greenhouses, commercial nurseries, interiorscapes and homes.

Do not use on food-crops.

Active Ingredient:

|                        |         |
|------------------------|---------|
| Azadirachtin.....      | 0.25%   |
| Inert Ingredients..... | 99.75%  |
| Total                  | 100.00% |

EPA Registration No.: 11688-5

EPA Establishment No.: 11688-

Manufactured by:

W.R. Grace & Co. - Conn.  
Horticultural Products  
62 Whittemore Avenue  
Cambridge, Massachusetts 02140

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for Additional Precautionary Statements

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

ACCEPTED  
with COMMENTS  
to EPA Letter Dated

JUN 15 1992

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

11688-5

BACK PANEL

**PRECAUTIONARY STATEMENTS**

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Avoid contamination of feed and foodstuffs. Avoid breathing spray mist. In case of eye contact, flush eyes with plenty of water. If on skin, wash with soap and water. Wash contaminated clothes before reuse. If irritation persists, get medical attention.

Environmental Hazards:

**CAUTION:** This product may be hazardous to fish and aquatic invertebrates. Do not apply directly to, or allow run-off into, ponds, lakes, streams, or wetlands. Do not contaminate water by cleaning of equipment or disposal of water.

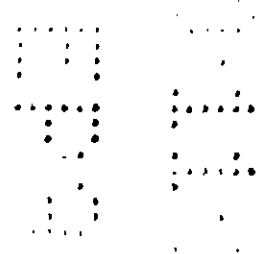
Physical and Chemical Hazards:

Flammable. Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL**

**Storage:** Keep in original container. Store in a cool, dry place, away from direct sunlight, feed or foodstuffs. Keep container tightly sealed when not in use. Do not store below 50°F (10°C) or above 95°F (55°C).

**Disposal:** Rinse water and unused diluted pesticide may be disposed of on site or in an approved waste disposal facility. Do not reuse empty container. Triple rinse empty containers and offer for recycling or puncture and dispose of in a sanitary landfill or by incineration, if allowed by state and local authorities. If burned, stay out of smoke.



DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

• For use to control whiteflies, thrips, mealybugs, leafminers, loopers, caterpillars, beet armyworms, and aphids on bedding plants, potted plants, foliage plants, ornamentals, trees, and shrubs, in and around greenhouses, commercial nurseries, interiorscapes, and homes.

• Margosan-0® is most effective when applied 2-3 times in succession.

• For use to control gypsy moths, weevils, psyllids, webworms, hornworms, spruce budworms, and pine sawflies on trees and shrubs on residential and commercial landscapes.

• For use to control ants, flies, cockroaches, and fleas in and around commercial buildings and homes.

• Do not use on food crops.

• Not for use in food-handling areas.

• Shake well before using.

• For high volume application, dilute Margosan-0® to a concentration of 2.5 to 5.0 pints per 100 gallons of water (2.5 to 5 teaspoons of Margosan-0® per gallon of water). Mix thoroughly. Apply at 25-40 psi with hand sprayer or 100-200 psi with power sprayer as a fine spray to both leaf surfaces to run-off. Excessive application is unnecessary and should be avoided.

• For low volume application, provide 10.6 g active ingredient (equivalent to 7.5 pints Margosan-0®) per acre.

• Sprays may be applied on a preventative 7-day schedule or at the first sign of insect presence. This schedule is effective under low insect pressure. Under high insect pressure, apply every 3-4 days.

• For drench application in greenhouse plantings, use 2.5 pints per 100 gallons and apply at the rate of 1 quart of diluted solution per square foot of growing media surface. Repeat at 14-day intervals during the growing season.

• Spraying directly onto the pest and a longer duration of leaf wetting increase effectiveness. Apply in early to mid-morning or late afternoon. This is particularly important with whitefly adults which are sedentary on the undersides of leaves at these times.

**BEST AVAILABLE COPY**

• Margosan-O® in diluted solution should be maintained at pH between 3-8. Use outside of this pH range may cause product degradation. Spray solutions should be used within several hours of preparation for maximum effectiveness. Do not store diluted solution for later use.

Do not add adjuvants (spreaders, surfactants, etc.) to Margosan-O® as it already contains its own surfactant.

• Do not apply to wilted or otherwise stressed plants, or to newly transplanted material prior to root establishment. Do not apply to known spray sensitive plants without testing. Do not apply when ambient temperature exceeds 90°F (32°C).

WARRANTY

W.R. Grace & Co.-Conn. warrants that the material contained herein shall substantially conform to the chemical composition stated herein. The foregoing warranty is in lieu of all other warranties expressed and implied, including the implied warranties of merchantability and fitness for a particular purpose which are expressly disclaimed. Buyer's sole remedy shall be replacement of defective material or refund of the purchase price. In no event shall Grace be liable for any injury, loss, or damage, direct, indirect, incidental, or consequential arising out of the use of this material.