

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

**August 27, 2002**

Mrs. Sally Hayes  
SRC Scientific & Regulatory Consultants, Inc.  
*C/o AQUARIUM PHARMACEUTICALS, Inc.*  
P. O. Box 1014  
Columbia City, IN 46725

Subject: *ALGAEFIX*  
EPA Registration Number 8709-8  
Application Dated August 14, 2002

Dear Mrs. Hayes:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with comments:

**Proposed amendment:**

- Revised label (Master Label).

**General Comments:**

The following label corrections must be made:

1. Revise the precautionary statement subheading to read:

***PRECAUTIONARY STATEMENT  
HAZARD TO HUMANS & DOMESTIC ANIMALS  
CAUTION***

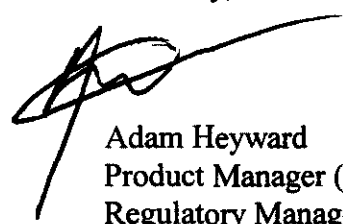
2. To avoid confusion with the signal word "caution," change the word warning to "NOTE or NOTICE" prior to the California-required statement.

| CONCURRENCES |  |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|--|
| SYMBOL       |  |  |  |  |  |  |  |
| SURNAME      |  |  |  |  |  |  |  |
| DATE         |  |  |  |  |  |  |  |

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any further questions regarding this letter, please contact me at (703) 308-6422.

Sincerely,



Adam Heyward  
Product Manager (34)  
Regulatory Management Branch II  
Antimicrobials Division (7510C)

enclosure:

# ALGAEFIX

- [Controls many types of algae in freshwater aquariums / water gardens / container water gardens/ koi and goldfish ponds / ornamental fountains while keeping water clean and clear]
- [For use in aquariums / ponds / fountains containing live plants and fish]
- [Effectively controls "green water" algal blooms / String or Hair Algae (Cladophora) / Blanketweed (Oedogonium) ]
- [Effectively controls many types of algae on aquarium glass, ornaments and plants]
- [Helps resolve algae problems]
- [Controls many types of algae in marine aquariums]
- [Controls many types of algae in outdoor, indoor, and table-top ornamental fountains]
- [Keeps freshwater aquariums / marine aquariums / ornamental ponds / water gardens / fountains clean and clear]
- [ Controls many types of algae in freshwater aquariums containing live plants and fish ]

ACTIVE INGREDIENT: Poly[oxyethylene(dimethyliminio)ethylene  
(dimethyliminio)ethylene dichloride].....4.50%  
INERT INGREDIENT: .....95.50%

KEEP OUT OF **THE** REACH OF CHILDREN  
**CAUTION**

See back panel for precautionary and first aid statements

Aquarium Pharmaceuticals, Inc.  
50 East Hamilton Street  
Chalfont, PA 18914

EPA Reg. No. 8709-8  
EPA Est. No. 8709-PA-1

Net Contents:

**ACCEPTED**  
**with COMMENTS**  
**EPA Letter Dated:**

**AUG 27 2002**

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

**8709-8**

**[ALGAEFIX]**

[AlgaeFix is an effective control for many types of Green or Green water algae (*Chlorella*) / Blue-Green algae (*Aphanizomenon*) / Black Beard algae (*Audouinella*) / String or Hair algae (*Cladophora*) / Blanket weed (*Oedogonium*) in freshwater aquariums / marine aquariums / ornamental ponds / fountains containing live plants and fish.] [Algal growth can appear as "green water" blooms / filamentous algae on plants / floating algal mats (blanket weed) / algae growth on aquarium glass / ornaments / pond rocks / fountains / waterfalls.]

**Directions For Use**

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

*{Directions For Use for the Aquarium label}*

[The most effective use of AlgaeFix is achieved by first cleaning the aquarium glass and ornaments. Trim plant leaves that are covered with algae. For best results remove activated carbon during treatment.]

Add [2 drops] of AlgaeFix [per 1 U.S. gallon (3.8 l)] of aquarium water {*due to differences in applicator orifice the drops used will vary in packages of 4 ounces or less, see chart at end of label for drop dosage for each size container. The labels may provide dosages from the chart at the end of the label and/or from the chart below*}. Repeat dose every three days until algae is controlled. Siphon or scrape any dead algae from aquarium. Once algal growth is under control, add one dose every 5 days. Weekly doses of AlgaeFix will control algal growth and reduce aquarium maintenance.

(dosages from this chart may be interchanged with the dosage given in the directions for use)

| [Aquarium size]           | [Initial Dose (every 3 days)] | [Weekly Maintenance (every 5 days)] |
|---------------------------|-------------------------------|-------------------------------------|
| [10 U.S. Gallon (38 L)]   | [20 drops (1 ml)]             | [20 drops (1 ml)]                   |
| [50 U.S. Gallons (190 L)] | [1 teaspoon (5 ml)]           | [1 teaspoon (5 ml)]                 |

**Caution: Do not use AlgaeFix with crustaceans including crabs, shrimp, freshwater shrimp and freshwater lobsters.**

*{Directions For Use for the Pond Care label}*

[AlgaeFix effectively controls many types of Green or Green water algae (*Chlorella*) / Blue-Green algae (*Aphanizomenon*) / Black Beard algae (*Audouinella*) / String or Hair algae (*Cladophora*) / Blanket weed (*Oedogonium*) in ornamental ponds / water gardens / fountains.] [Algal growth can appear as "green water" blooms / filamentous algae on plants / floating algal mats ("blanket weed") / algal growth on waterfalls.]

Add [one teaspoonful (5 ml)] of AlgaeFix [every 50 [U.S.] gallons (190 l)] of pond/fountain water. Thoroughly mix AlgaeFix into pond/fountain by adding near the pump outflow, waterfall, or aeration device. AlgaeFix can be mixed in a bucket of pond/fountain water and dispersed evenly around the pond/fountain. Repeat dose every 3 days until algae is controlled. Be prepared to siphon out dead filamentous algae. Once algal growth is under control, add one dose per week. Weekly doses of AlgaeFix will control algal growth and reduce pond/fountain maintenance.

**Warm weather caution:** Before using AlgaeFix, make certain that the pond has vigorous aeration, i.e., a fountain, waterfall, or aeration device to avoid fish loss due to low oxygen levels. When algae is removed by the filter or settles to the bottom of the pond, the oxygen level may drop to harmful levels if adequate aeration is not provided. Therefore, when using AlgaeFix during warm summer months, adequate aeration is required. Do not shut pond pumps and aeration devices off at night.

(dosages from this chart may be interchanged with the dosage given in the directions for use)

| [Pond size]                   | [Initial Dose (every 3 days)] | [Weekly Maintenance (every 7 days)] |
|-------------------------------|-------------------------------|-------------------------------------|
| [100 U.S. Gallons (380 l)]    | [10 ml/ Two teaspoons]        | [10 ml/ Two teaspoons]              |
| [500 U.S. Gallons (1900 l)]   | [50 ml/Ten teaspoons]         | [50 ml/Ten teaspoons]               |
| [600 U.S. Gallons (2280 l)]   | [60 ml/12 teaspoons/¼ cup]    | [60 ml/12 teaspoons/¼ cup]          |
| [1000 U.S. Gallons (3800 l)]  | [100 ml/Twenty teaspoons]     | [100 ml/Twenty teaspoons]           |
| [1200 U.S. Gallons (4542 l)]  | [120 mls/24 teaspoons/½ cup]  | [120 mls/24 teaspoons/½ cup]        |
| [4800 U.S. Gallons (18168 l)] | [480 ml/2 cups]               | [480 ml/2 cups]                     |

**Caution: Do not use AlgaeFix with crustaceans, including; crabs, shrimp, freshwater shrimp and freshwater lobsters.**

*{Directions For Use for the Fountain Care Label}*

For best results start with a clean fountain. Scrub away algae and dirt, rinse, and fill with clean water. Add [2 drops of AlgaeFix per 1 U.S. gallon (3.8 l)] of water in the fountain. Repeat dose once a week to keep fountains clean and clear. Add a dose of AlgaeFix every time you change water in the fountain. Weekly doses of AlgaeFix will control algal growth and reduce fountain maintenance.

(dosages from this chart may be interchanged with the dosage given in the directions for use)

| [Fountain size]           | [Dose]                     |
|---------------------------|----------------------------|
| [1 U.S. Gallon (3.8 l)]   | [2 drops]                  |
| [5 U.S. Gallon (19 l)]    | [10 drops]                 |
| [20 U.S. Gallons (76 l)]  | [40 drops or 2 ml or 2 cc] |
| [25 U.S. Gallons (95 l)]  | [½ teaspoon/2.5 ml]        |
| [50 U.S. Gallons (190 l)] | [1 teaspoon/5 ml]          |

**PRECAUTIONARY STATEMENTS**

**HAZARD TO HUMANS**

**CAUTION:** Harmful if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

**FIRST AID:**

**If Swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**If on Skin:** Wash with plenty of soap and water. Get medical attention.

**WARNING:** This product contains a chemical known to the state of California to cause cancer.

**STORAGE AND DISPOSAL**

Do not contaminate water or feed. Do not reuse empty bottle. Rinse thoroughly before discarding in trash.

{ ADDITIONAL LANGUAGE AND DOSAGE FOR EACH CONTAINER SIZE }

{ 1.) 1FL OZ SIZE }

{Dose => [14 drops (1 ml) per 10 U.S. gallons (38 l)]  
{additional label language => [See pullout label for precautionary and first aid statements, directions for use and storage and disposal information  
Treats 300 U.S. gallons (1140 l)]

{ 2.) 1 ¼ fl oz SIZE }

{Dose => [25 drops (1 ml) per 10 U.S. gallons (38 l)]  
{additional label language => [See blister card for precautionary and first aid statements, directions for use and storage and disposal information. Do not throw blister card away]  
[Treats 370 U.S. gallons (1400l)]

{ 3.) 4 fl oz SIZE }

{Dose => [14 drops (1 ml) per 10 U.S. gallons (38 l)]  
{additional label language => [Treats 1200 U.S. gallons (4542 l)]

{ 4.) 8 fl oz SIZE }

{additional label language => [Treats 2400 U.S. gallons (9084 l)]

{ 5.) 16 fl oz SIZE }

{additional label language => [Treats 4800 U.S. gallons (18168 l)]

{ 6.) 32 fl oz SIZE }

{additional label language => [Treats 9600 U.S. gallons (36480 l)]

{ 7.) 64 fl oz SIZE }

{additional label language => [Treats 19200 U.S. gallons (72960 l)]

{ 8.) 128 fl oz SIZE }

{additional label language => [Treats 38400 U.S. gallons (145920 l)]