

Ms. Christina Swick
Agent for Lonza, Inc.
122 C Street, NW Ste. 740
Washington, DC 20010

SEP 16 2002

Subject: Barquat MB-40 Swimming Pool Algaecide
EPA Registration No. 6836-298
Amendment Date: July 9, 2002
EPA Receipt Date: July 9, 2002

Dear Ms. Swick,

The following amendment submitted in connection with registration under FIFRA, as amended, is acceptable with the conditions listed below.

- Change the acute oral precautionary statements to support category II language

Conditions

The Agency has recently established an acute toxicology profile for manufacturing use products (MP) containing alkyl dimethyl benzyl ammonium chlorides (ADBAC). Since this product is essentially a repackage of an ADBAC MP, the following acute toxicology profile applies to this product:

<u>Guideline</u>	<u>Toxicity Category</u>
Acute Oral	II
Acute Dermal	II
Acute Inhalation	II
Primary Eye Irritation	I
Primary Skin Irritation	I
Dermal Sensitization	Non-sensitizer

Based on the above acute toxicology profile, you must revise your "Precautionary Statements by adding the statements, "May be fatal if swallowed, absorbed through the skin, or inhaled. Do not breathe vapor. Harmful if absorbed through the skin."

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

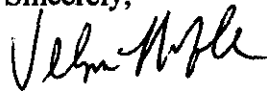
Since this product is used in residential areas, the Agency feels it is impractical for residents to use as well as have available a respirator when applying this product to there pools. Therefore, the respirator language is not required.

General Comments

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

If you have any questions regarding this letter, please contact Jacqueline McFarlane at (703) 308-6416.

Sincerely,



Velma Noble

Product Manager (31)

Regulatory Management Branch I

Antimicrobials Division (7510C)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Harmful if inhaled. Avoid breathing vapor or spray mist. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish.

(Note to reviewer: If container size is 5 gallons or greater, add the following Environmental Hazards statements):

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a 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 EPA.

BARQUAT MB-40
Swimming Pool Algaecide

(Note to reviewer: The following is optional marketing language):

- Prevents algae
- Kills and prevents algae
- Safe for all types of pool surfaces
- For control of algae and algal slime growth in swimming pools

Active Ingredient:

Alkyl (C₁₄, 50%; C₁₂, 40%; C₁₆, 10%) dimethyl benzyl ammonium chloride 40.0%
Other Ingredients 60.0%
Total: 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

**SEE LEFT / RIGHT / SIDE / BACK PANEL FOR
ADDITIONAL PRECAUTIONARY STATEMENTS
AND FIRST AID.**

EPA Reg. No. 6836-298

EPA Est. No. 6836-IL-1

Net Contents *(as indicated on container)*

Manufactured by:

LONZA INC., 17-17 Route 208, Fair Lawn, NJ 07410

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 16 2002

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

6836-298

DIRECTIONS FOR USE

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

Ensure all pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2 – 7.6. In outdoor chlorine treated pools, add stabilizer to establish a minimum level of 40 – 50 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals and, if present, add a stain and scale inhibitor to prevent staining of pool surface due to metal. If algae growth is visible, vacuum the pool after 24 hours. Maintain sanitizer residual in accordance with label directions found on your sanitizer of choice. When using other products as outlined in directions for this product, always follow the directions on those products.

1. Dosages for pools which are free of algae or contain algae growth:

INITIAL APPLICATION: For an initial application, pour directly into pool at a rate of 32 oz. of this product per 50,000 gallons of water (2 ppm). More rapid distribution will be achieved by pouring a portion of the specified amount into several areas of the pool until all of the required quantity has been added. Recirculation accomplished by running the filter will assure rapid dispersion of product.

MAINTENANCE: Pour directly into pool at a rate of 8 oz. per 50,000 gallons of water (0.5 ppm) every 5 – 7 days depending on weather and use factors. After each rain of consequence, add 8 oz. per 50,000 gallons of water. Even when the pool may not be in use for periods of time, algaecide additions should be made since a heavy accumulation of algae growth is difficult to remove. The appropriate amount of this product should be added by pouring a portion of the specified amount into several areas of the pool until the required quantity has been added. Recirculation accomplished by running the filter will assure rapid dispersion of product.

2. Re-entry interval: Swimmers are allowed to re-enter the pool 15 minutes after application of the product.
3. Ensure that water quality conditions are maintained for the successful use of the product.

This product is effective in controlling the growth of the following types of algae: *Chlorella pyrenoidosa* (green algae), *Phormidium inundatum* (blue-green algae) and *Phormidium ritzii*.

Swimming Pool Capacity Gallon of Water	Initial Treatment	Maintenance Dose
5,000	3.2 oz.	0.8 oz.
10,000	6.4 oz.	1.6 oz.
20,000	12.8 oz.	3.2 oz.
25,000	16.0 oz.	4.0 oz.
30,000	19.2 oz.	4.8 oz.
40,000	25.6 oz.	6.4 oz.
50,000	32.0 oz.	8.0 oz.

How to measure the gallon capacity of your pool: Measure Length (L), Width (W) and average Depth (D) in feet.

- For square or rectangular pools:
 $L \times W \times D \times 7.5 = \text{gallons}$
- For circular or elliptical pools:
 $L \times W \times D \times 5.9 = \text{gallons}$

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for algaecide, registered under EPA Reg. No. 6836-298

(Note to reviewer: If container size is greater than one gallon, the following Storage & Disposal statements will be used.):

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Do not store on side. Avoid creasing or impacting of side walls. Store in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Keep from freezing.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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

(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.

(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.

(Note to reviewer: If container size is one gallon or less, the following Storage and Disposal statements will be used.):

STORAGE AND DISPOSAL

Store in original container in locked storage in areas sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Keep from freezing. Do not reuse empty container. Wrap container and discard in trash.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 16 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 6836-298