

63664-1

06/23/2010

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



Office of Pesticide Programs

Joanna Holcombe,  
Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401, USA

JUN 23 2010

**Subject:** QSP-451  
**Registration No.:** 63664-1  
**Date Submitted:** May 17, 2010  
**Date Received:** May 24, 2010  
**Submission #:** 875449

Dear Ms. Holcombe,

This letter acknowledges receipt of your notification submitted under the provision of the Federal Insecticide, Fungicide and Rodenticide Act. (FIFRA): PR Notice 2007-4.

**Proposed Notification:**

- Update the Storage and Disposal language.

**General Comments:**

Based on a review of the submitted materials your application for QSP-451 Reg # 63664-1, as listed, is acceptable. A copy has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact Velma Noble PM Team 31 at (703) 308-6233 or Jamil Mixon at (703) 308-8032.

Sincerely,

Velma Noble,  
Product Manager, Team 31  
Regulatory Management Branch  
Antimicrobials Division (7510P)

**CONCURRENCES**

SYMBOL	SURNAME	DATE					

# QSP-451 Swimming Pool Algaecide

Active Ingredient:

Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride .....	20.0%
Other Ingredients .....	80.0%
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. 63664-1  
EPA Est. No. 6836-IL-1  
Net Contents

Manufactured by:  
Quality Swimming Pool Products Division  
c/o Lonza Inc.  
90 Boroline Rd.  
Allendale, NJ 07401

(Front Panel – Continued)

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

What? {For use on front panel of label as a header above/beside product name.}

Why? {For use on front panel of label as a header above/beside marketing statements chosen from accepted label text that relates to the consumer features and benefits of product.}

Prevents algae

Kills and prevents algae

Safe for all types of pool surfaces

For control of algae and algal slime growth in swimming pools

Concentrated Formula

Prevents (controls) green colored algae

Suitable for pools under 5,000 gallons

(Green) algae control for (in ground) (and) (above ground pools)

Keeps water clear and free of visible (green) algae

Suitable for opening pools

Can be used in salt pools

Compatible with salt pools

When? {For use on front panel of label as a header above/beside text chosen from accepted label text that relates to the consumer anticipated frequency of product use.}

Weekly use prevents algae growth

Use weekly

Weekly use

Use once a week

1X a week

{The "Pool Essentials System" box below may be placed on the label to allow easy product category identification by consumers.}

Pool Essentials System	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
	balance	chlorinate	shock	algaecide

**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 stabilizer 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 24 hours after applying the product. 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.

*[Note to Reviewer/Distributor: Dosages used on labeling will not exceed the container size]*

- 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 [64 oz. of this product per 50,000 gallons of water] {or} [32 fluid ounces per 25,000 gallons] {or} [13 fluid ounces per 10,000 gallons] {or} [6.5 fluid ounces per 5,000 gallons] {or} [add 1.3 fluid ounces (2½ tablespoons) per 1,000 gallons] (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. Circulate water by running the filter to assure rapid dispersion of product.

MAINTENANCE: Pour directly into pool at a rate of 16 oz. per 50,000 gallons of water {or} [3 fluid ounces per 10,000 gallons] {or} [1.5 fluid ounces per 5,000 gallons] {or} [0.3 fluid ounces (2 teaspoons) per 1,000 gallons] (0.5 ppm) every 5 – 7 days depending on weather and use factors. After each rain of consequence, add [16 oz. per 50,000 gallons of water] {or} [3 fluid ounces per 10,000 gallons] {or} [1.5 fluid ounces per 5,000 gallons] {or} [0.3 fluid ounces (2 teaspoons) per 1,000 gallons]. Even when the pool may not be in use for periods of time, add algaecide since a heavy accumulation of algae growth is difficult to remove. Add appropriate amount of this product by pouring a portion of the specified amount into several areas of the pool until the required quantity has been added. Circulate water by running the filter to 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.

[Note to Reviewer/Distributor: Dosages used on labeling will not exceed the container size]

{Following chart is optional.  
All or some of the swimming pool capacities may be incorporated.}

Swimming Pool Capacity Gallons of Water	Initial Treatment	Maintenance Dose
5,000	6.5 oz.	1.5 oz.
10,000	13.0 oz.	3.0 oz.
20,000	25.5 oz.	6.5 oz.
25,000	32.0 oz.	8.0 oz.
30,000	38.5 oz.	9.5 oz.
40,000	51.0 oz.	13.0 oz.
50,000	64.0 oz.	16.0 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 x W x D x 7.5 = gallons.
- For circular or elliptical pools:  
L x W x D x 5.9 = gallons

*{Simplified use directions covering product use as a swimming pool algaecide (both regular and small volume pools) and for a swimming pool winter algaecide (to close pool).}*

*[Note to Reviewer/Distributor: Dosages used on labeling will not exceed the container size]*

(How?)

- Test and balance water before using this product. Adjust pH to 7.2 to 7.6. In indoor 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. If metals are present add a stain and scale inhibitor to prevent staining of pool surfaces.
- [Start-up] *{or}* [Start-up/Opening]:
- Add [64 fluid ounces per 50,000 gallons] *{or}* [32 fluid ounces per 25,000 gallons] *{or}* [13 fluid ounces per 10,000 gallons] *{or}* [6.5 fluid ounces per 5,000 gallons] *{or}* [add 1.3 fluid ounces (2½ tablespoons) per 1,000 gallons] along pool edges while filter and pump are operating for the first week's application, then follow Once a Week directions.
- If algae is present, vacuum pool 24 hours after treatment.

**Once a Week:**

- Add [16 fluid ounces per 50,000 gallons] *{or}* [3 fluid ounces per 10,000 gallons] *{or}* [1.5 fluid ounces per 5,000 gallons] *{or}* [0.3 fluid ounces (2 teaspoons) per 1,000 gallons] along pool edges while filter and pump are operating.
- Use only with pools that have a water re-circulating system (pump) and filter.
- Apply more often after heavy rain, frequent backwashing or partial drain/refill.
- Wait at least 15 minutes after adding product before entering the pool.
- This product may foam; do not use in spas, pools with attached spas, or water features.

*{The following is optional text to be used at Lonza's discretion with closing swimming pool use directions.}*

**To Close Pools:**

- Add [64 fluid ounces per 25,000 gallons] *{or}* [32 fluid ounces per 12,500 gallons] *{or}* [16 fluid ounces per 6,250] along pool edges and allow filter and pump to operate for 2-4 hours.
- Then follow the winterizing directions on your pool sanitizer product.
- [Visit [the Aqua Chem Web Site] *{or}* [www.aquachem.com] *{or}* [the Pool Time website] *{or}* [www.pooltime.com] for complete pool closing instructions] *{or}* [contact your local pool supply store.]

[Note to Reviewer/Distributor: Dosages used on labeling will not exceed the container size]

{Following chart is optional.

All or some of the swimming pool capacities may be incorporated.}

Swimming Pool Capacity (Gallons of Water)	Start-Up Treatment	Weekly Dose
250	0.3 fl. oz. (2 teaspoons)	0.075 fl. oz. (½ teaspoon)
500	0.7 fl. oz. (4 teaspoons)	0.15 fl. oz. (1 teaspoon)
1,000	1.3 fl. oz. (2½ tablespoons)	0.3 fl. oz. (2 teaspoons)
1,500	2.0 fl. oz.	0.45 fl. oz. (1 tablespoon)
2,000	2.6 fl. oz.	0.6 fl. oz. (4 teaspoons)
2,500	3.3 fl. oz.	0.75 fl. oz. (5 teaspoons)
3,000	4.0 fl. oz.	0.9 fl. oz. (2 tablespoons)
4,000	5.0 fl. oz.	1.2 fl. oz. (2⅔ tablespoons)
5,000	6.5 fl. oz.	1.5 fl. oz.
10,000	13.0 fl. oz.	3.0 fl. oz.
20,000	25.5 fl. oz.	6.5 fl. oz.
25,000	32.0 fl. oz.	8.0 fl. oz.
30,000	38.5 fl. oz.	9.5 fl. oz.
40,000	51.0 fl. oz.	13.0 fl. oz.
50,000	64.0 fl. oz.	16.0 fl. oz.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed, absorbed through the skin or inhaled. Do not get in eyes, on skin, or on clothing. Do not breath vapor. 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, using tobacco or chewing gum. Remove contaminated clothing and wash clothing before reuse.

**FIRST AID**

**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.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

**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.



*(Note to reviewer: For Nonrefillable Containers, Ready to Use Household/Residential Use Products)*

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children.

Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for recycling if available.

(or)

Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for reconditioning if appropriate.

*(Note to reviewer: Nonrefillable Containers, Ready-To-Use Products for Commercial/Institutional/Industrial Uses— no new container rinsing directions, not a dilutable per PRN 2007-4)*

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:**

Open dumping is prohibited. Store in original container in areas inaccessible to children.

**Pesticide Disposal:**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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:**

**Nonrefillable container.** Do not reuse or refill this container.

**(Plastic Containers:)** Triple rinse (or equivalent). 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. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**(Metal Containers:)** Triple rinse (or equivalent). Offer for recycling if available or puncture and dispose of in sanitary landfill or by other procedures approved by state and local authorities. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations. DO NOT cut or weld metal containers.

**(Bag in Box Containers:)** Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.