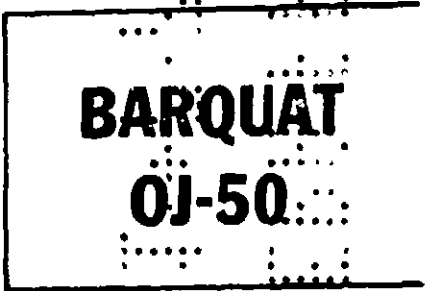


LONZA



PRODUCT INFORMATION



CHEMICAL PROPERTIES:

Active Ingredients:
Alkyl Dimethyl Benzyl Ammonium Chloride 50% by weight
(C₁₄, 60% - C₁₂, 25% - C₁₆, 15%)

Ethanol 10% by weight

Inert Ingredients:
Water 40% by weight
100%

Average Molecular Weight 365

PHYSICAL PROPERTIES:

Appearance..... Clear Liquid
Color, Gardner Scale..... Less than 2
Density, 20°C 0.960
Viscosity, Gardner Scale, 20°C B-D

USDA REGISTRATION NUMBER..... 6836-11

ALGAECIDAL PROPERTIES:

BARQUAT OJ-50 has been used for many years as an algacide. Economical use-levels have been determined for a broad spectrum of algae. Laboratory tests show that algae are effectively controlled at a maintenance level of 0.5 ppm (active) of BARQUAT OJ-50. BARQUAT OJ-50 has been found effective against --

- Chlorella pyrenoidosa #2005 (Green Algae)
- Phormidium inundatum #1093 (Black Algae)
- Phormidium retzii (Square D Algae)
- Oscillatoria sp. (chalybea)
- Lyngba versicolor (Blue-green Algae)

L-38

(over)

LE

Initial applications of **BARQUAT OJ-50** should be 2 ppm (active) to clean and clear the pool of algae. 0.5 ppm (active) will then maintain the pool.

A sample label for a swimming pool algae control product is attached. This guide may be followed in registering your product with the U.S. Department of Agriculture.

HANDLING PRECAUTIONS FOR BARQUAT OJ-50 QUATERNARY CONCENTRATE:

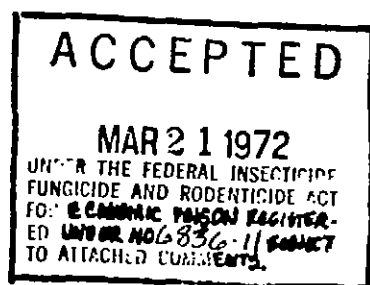
DANGER: Keep out of Reach of Children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink *promptly* a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes.



Sept. 1, 1971

LE

P R O D U C T I N F O

CHEMICAL PROPERTIES:

Active Ingredients:
Alkyl Dimethyl Benzyl
(C₁₄, 60% - C₁₂, 25% -

Ethanol

Inert Ingredients:
Water

Average Molecular Weight

PHYSICAL PROPERTIES:

Appearance.....
Color, Gardner Scale.....
Density, 20°C

Viscosity, Gardner Scale, 20°

USDA REGISTRATION NUMBER...

ALGAECIDAL PROPERTIES:

BARQUAT OJ-50 has been used f
use-levels have been determined for
show that algae are effectively contr
of **BARQUAT OJ-50**. **BARQUAT**

Chlorella pyre
Phormidium i
Phormidium r
Oscillatoria sp.
Lyngba versic

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HANDLING PRECAUTIONS FOR BARQUAT OJ-50 QUATERNARY CONCENTRATE:

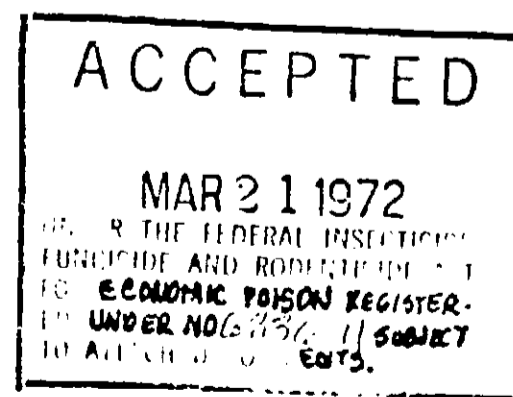
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LONZA

SAMPLE LABEL

BRAND NAME

SWIMMING POOL

ALGAECIDE

OUTSTANDING ALGAE GROWTH DEPRESSANT

ACTIVE INGREDIENT:

Alkyl Dimethyl Benzyl Ammonium Chloride
(C₁₄, 60%; C₁₂, 25%; C₁₆, 15%)..... 10%

INERT INGREDIENTS:..... 90%

100%

Manufactured By:

ONE GALLON

DIRECTIONS

Initial Application: To a cleaned pool add one gallon to 50,000 gallons of water, or ratio thereof.

Maintenance Dose: Use one quart per 50,000 gallons of water every 5 to 7 days. When weather is hot or bathing load is heavy, use this dosage every 5 days or as necessary.

Booster Dose: Immediately after every rain add one quart per 50,000 gallons of water as above.

Important: Follow above directions without fail, even when pool is not used. Algae growth must be fought at all times.

Pool-side surfaces: After cleaning surfaces, use one oz. to four gallons of water for sanitizing or one oz. to two gallons of water for disinfecting.

_____ algaecide is efficient, economical and stable in use dilution.

_____ is compatible with all chemicals used in pool water and will not damage tile, concrete, metal, or plastics.

_____ keeps pool water free and sparkling, clear of visible algae, slime and green brown colors.

_____ improves filter operation and cuts down need for other chemicals.

_____ imparts tone and a pleasant "feel" to swimming pool water.

USDA REG. No. _____

Do not reuse container. Destroy when empty.

This product is toxic to fish. Do not discharge pool water into lakes, streams, or ponds.

WARNING

Causes severe skin irritation. May cause eye injury. Do not get in eyes or on skin. In case of eye contact, flush copiously with water and seek medical attention. In case of skin contact, flush copiously with plenty of water immediately. Harmful if swallowed. Avoid contamination of food.

FIRST AID

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.