

Vapco Algaecide-A controls algae and slime on the wetted surfaces and in the recirculating water in cooling towers. The growth of algae and slime-producing microorganisms can seriously reduce the efficiency of the entire cooling system. This situation can be avoided by the proper use of Vapco Algaecide-A.

USE DIRECTIONS

INITIAL DOSE

In a clean system, with no algae or microbial slime growth visible, add to the sump, 4 fluid ounces of Vapco Algaecide-A per 100 gallons of cooling water.

If algae and microbial slime growth is visible, add to the sump, 8 fluid ounces of Vapco Algaecide-A per 100 gallons of cooling water.

SUBSEQUENT TREATMENT

Towers With Continuous Feed Equipment

After the initial dose, maintain a concentration of 10 ppm active ingredient by continuously feeding Vapco Algaecide-A to the sump, at a rate of 1.28 fluid ounces (38 ml.) per 100 gallons of "bleed-off". If algae or microbial slime growth becomes visible, add to the sump, 4 fluid ounces of Vapco Algaecide-A per 100 gallons of cooling water as a "slug dose". This "slug dose" should be followed with the regular maintenance concentration of 10 ppm active ingredient.

Towers Without Continuous Feed Equipment

After the initial dose, add to the sump, 1.28 fluid ounces (38 ml.) to 4 fluid ounces Vapco Algaecide-A per 100 gallons of cooling water once per week or more often if needed to prevent algae or microbial slime growth. If growth becomes visible, a "slug dose" of 4 to 8 fluid ounces of Vapco Algaecide-A should be added to the cooling water in the sump. This "slug dose" should then be followed by the regular maintenance dose.

CAUTION:

This product is toxic to fish. Do not discharge treated effluent where it will drain into lakes, streams or ponds.

Rinse empty container thoroughly with water and discard it.



4
OZ.

8
OZ.

12
OZ.

16
OZ.

20
OZ.

24
OZ.

COOLING TOWER ALGAECIDE-SLIMICIDE

Controls the Growth of Algae and Slime Producing Bacteria

Active Ingredient: n-Alkyl (50% C₁₄, 40% C₁₂, 10% C₁₆) dimethyl benzyl ammonium chloride 10%
Inert Ingredients 90%

EPA Reg. No. 6381-3

DANGER:

Keep Out of Reach of Children. Corrosive. Causes eye damage and skin irritation. 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 myocardial damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

MANUFACTURED BY
GARMAN COMPANY

ST. LOUIS, MO. 63125, U.S.A.

Net Content: 1 Quart

ACCEPTED WITH COMMENTS

ACCEPTED

Jan 3, 1972

UNDER FEDERAL PESTICIDE ACT
FUNCTIONS AS AN ALGAECIDE ACT
FOR PREVENTION OF ALGAL GROWTH
REGISTERED UNDER NO. 6381-3

Comments

24 OZ. 1/11/72
Notes: as 3/1/72 above

LONZA

FAIR LAWN, NEW JERSEY 07410 • TEL. 791-7500 • CABLES-BAIRDCHEN FAIRLAWNNJ TELEX-7109082243

PRODUCT INFORMATION

BARQUAT MB-50
BARQUAT MB-80

BARQUAT MB-50 and BARQUAT MB-80 (BARQUAT MB-50/80) are specially selected blends of Alkyl Dimethyl Benzyl Ammonium Chlorides chosen to give excellent effectiveness against bacteria in hard water and a variety of formulations for sanitizers, disinfectants, cleaner disinfectants, and deodorants. The Lonza Research and Technical Service facilities will be glad to assist you in the development, formulation, testing and registration of these products.

BARQUAT MB-80 was specifically designed to eliminate the processing problems associated with the handling of unnecessary water, and is quite popular for use in many formulations where a minimum of water is desirable.

COMPOSITION

	BARQUAT	
	MB-50	MB-80
Active Ingredients:		
Alkyl*Dimethyl Benzyl Ammonium Chloride *(C ₁₄ -50%, C ₁₂ -40%, C ₁₆ -10%)..	50%	80%
Ethanol.....	10%	20%
Inert Ingredients:		
Water.....	40%	---
Total	100%	100%

TYPICAL PHYSICAL PROPERTIES

Appearance

An almost white to pale yellow liquid with a mild odor. Congealing may occur during prolonged storage at low temperatures, but the product will become homogeneous on warming to room temperature.

A clear straw to light amber liquid with a mild odor. Crystallization may occur after prolonged storage at low temperatures, but will return to its homogeneous liquid state on warming.

