

BEST AVAILABLE COPY

ALGAESIL

E.P.A. Reg. No. 10324-18
E.P.A. Est. No. 10324-IL-1

INTRODUCTION

The effect of silver on algae was first reported by Raulin in 1869, who reported it as toxic against most strains of algae. Algaesil is a solution of 0.8% colloidal silver.

WHY IT IS EFFECTIVE

The silver in Algaesil is essentially in nonionic form. Dilution in the pool and the concentration and treatment with chlorine converts the silver to an ionic form, which is the effective algaecide. Because the ionic silver is not present when the product is added to the pools, but becomes available after dilution to pool concentrations, silver chloride does not precipitate locally. At pool concentration of silver at .1 ppm, the solubility of silver chloride is sufficiently great so that it will not precipitate.

At the recommended levels, Algaesil will kill most types of algae including Phormidium (Black Algae). However, it must be acknowledged that surfaces which have many layers of algae are being killed from the outside in, for maximum effectiveness, the dead algae should be brushed away to expose new surfaces. The properties of ionic silver are such that it will be adsorbed on surfaces. When the concentration of silver in solution falls to low levels, then the silver will be desorbed from the surface in effective algaecidal concentrations. This property of surface activation is a unique phenomenon of silver, and provides the assurance there is at all times a non-volatile, highly effective, algaecide in the pool.

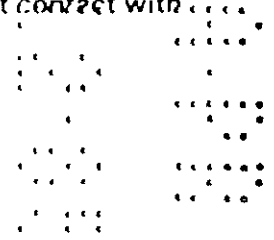
FACTS

WILL ALGAESIL ADSORB ON THE POOL WALLS, FLOOR OR FILTER?

ALGAESIL will cling to anything in the pool system, including the pool walls, floor and filter; thus, the surfaces themselves become a reservoir of silver. As the soluble silver in the pool is depleted, the silver is released from the surfaces to maintain an algaecidal level in the water. The silver, adsorbed on surfaces, forms a very thin layer of molecular dimension, which is invisible to the human eye.

WHAT EFFECT, IF ANY, DOES ALGAECIL HAVE ON FILTERS?

ALGAESIL helps keep the filters clean and free flowing. When living algae are present, the filters become clogged with a slime, which immediately blocks filtration. Because of its algae killing action, ALGAESIL helps prevent the algae accumulation in the pool and filter, and assures longer filtration runs without the need of frequent back washing. Although ALGAESIL is adsorbed on diatomaceous or sand filters, it is so infinitesimal that it will not clog filters or shorten filter runs. It is an advantage that ALGAESIL adheres to the filters, because any live algae trapped in the filter, as well as any live algae going through the filter, will come in direct contact with the deposited silver, and therefore will be killed immediately.



BEST AVAILABLE

**PRECAUTIONARY STATEMENTS
CAUTION
KEEP OUT OF REACH OF CHILDREN**

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

FOR INFESTED POOLS TO KILL ALGAE

1. Clean Tile on Pool.
2. Backwash Filter.
3. Disconnect slide and automatic pool cleaner from pool support system.
4. Adjust pH to 7.2-7.4 range.
5. Raise chlorine residual to 3 ppm.
6. Wait 15 minutes after adding chlorine.
7. Add Algaesil through skimmer at the rate of 8 oz. every 10 minutes until the recommended dosage of 16 oz. of Algaesil per 10,000 gallons of pool water is reached. If pool has no skimmer, add Algaesil below water level in front of return by squeezing bottle at the same rate mentioned above.
8. Keep filter in operation during treatment and for a minimum of 72 hours after treatment.
9. For best result, keep filter in operation until condition clears.

**FOR WEEKLY PREVENTION TREATMENT OF
NON-VISIBLE ALGAE**

1. Clean Tile on Pool.
2. Backwash Filter.
3. Disconnect slide and automatic pool cleaner from pool support system.
4. Adjust pH to 7.2-7.4 range.
5. Raise chlorine residual to 3 ppm.
6. Wait 15 minutes after adding chlorine.
7. Add Algaesil through skimmer at the rate of 8 oz. every 10 minutes until the recommended dosage of 4 oz. of Algaesil per 10,000 gallons of pool water is reached. If pool has no skimmer, add Algaesil below water level in front of return by squeezing bottle at the same rate mentioned above.
8. Keep filter in operation during treatment and for a minimum of 72 hours after treatment.
9. For best result, keep filter in operation until condition clears.

FOR WINTERIZING BEFORE FREEZING

1. Clean Tile on Pool.
2. Backwash Filter.
3. Disconnect slide and automatic pool cleaner from pool support system.
4. Adjust pH to 7.2-7.4 range.
5. Raise chlorine residual to 3 ppm.
6. Wait 15 minutes after adding chlorine.
7. Add Algaesil through skimmer at the rate of 8 oz. every 10 minutes until the recommended dosage of 48 oz. of Algaesil per 10,000 gallons of pool water is reached. If pool has no skimmer, add Algaesil below water level in front of return by squeezing bottle at the same rate mentioned above.
8. Keep filter in operation during treatment and for a minimum of 72 hours after treatment.

ALGAESIL

**FOR THE CONTROL
AND DESTRUCTION OF
ALGAE, AND ALGAL SLIME**

ACTIVE INGREDIENTS:

Colloidal Silver as elemental..... 0.80%

INERT INGREDIENTS: 99.20%

100%

Weight approx. 8.33 lbs./gallon

**KEEP OUT OF REACH
OF CHILDREN
CAUTION**

Will stain clothing & concrete
in concentrated solution.

SEE LEFT PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

Mason Chemical Company
"The Quaternary Specialists"



5253 WEST BELMONT AVENUE
CHICAGO, ILLINOIS 60641
312/232-0200

OUTSIDE ILLINOIS
1-800/362-1855

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STORAGE

1. STORAGE INST. STORE IN ORIGINAL CONTAINERS AND STORAGE AREA. KEEP FROM FREEZING. DO NOT CONTAMINATE OR FEED BY STORAGE.

2. SPILL OR LEAK: SMALL SPILLS MAY BE FLUSHED AWAY OR ABSORBED ON INERT MATERIAL AND INCINERATED.

3. PESTICIDE DISPOSAL: SECURELY WRAP IN SEVERAL LAYERS AND DISCARD IN TRASH.

4. CONTAINER DISPOSAL: DO NOT REUSE (BOTTLE, CAN, etc.) THOROUGHLY BEWASHED TRASH.

5. GENERAL: CONSULT FEDERAL AGENCY FOR DISPOSAL AUTHORITY. PROVED ALTERNATE SUCH AS LIMITED.

ALGAESIL activates swimming pools, and continuing algae.

ALGAESIL is the foaming at pool reduce other chemicals.

KEEP FROM

ACCEPTED

APR 15 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, the pesticide registered under EPA Reg. No. 10324-18

season to the next, add ALGAESIL when the pool is being made ready for the swimming season.

MAY I USE ALGAESIL WHEN OTHER CHEMICALS ARE PRESENT IN MY POOL?

ALGAESIL is compatible with most other chemicals normally used in the maintenance of swimming pools.

WILL ALGAESIL WORK AS WELL IN HOT CLIMATES AS IN COOL ONES?

ALGAESIL is stable even in tropical climates where the water is subject to the intense heat of the sun all day. Heat causes chlorine to evaporate very quickly (and intense sunlight rapidly decomposes the active chlorine). The silver in ALGAESIL will not evaporate or decompose. This makes it very effective in hot climates. ALGAESIL is non-volatile.

IS ALGAESIL EFFECTIVE FOR INDOOR AS WELL AS OUTDOOR POOLS?

Examination of indoor pools has shown algae will grow in indoor pools, and the filters will become clogged with algae. Since ALGAESIL does contribute materially to free flowing filters, it is important to use it in indoor pools.

WILL THE SILVER IN ALGAESIL SETTLE TO THE BOTTOM?

Although silver is a heavy metal, ALGAESIL is manufactured in such a manner that the silver is in a colloidal form. It always stays in solution, and will not settle to the bottom of the pool. Samples have been kept for many years with no noticeable settling.

