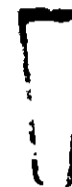




**Apollo**

ACCEPTED  
JUL 17 1981  
11539-1



**WATER SCIENC**

Water Science  
1000  
New Jersey Drive  
Springfield, N.J. 07081  
Tel: 908-866-9400

# APOLLO 4788

## COOLING TOWER ALGAECIDE-SLIMICIDE

**ACTIVE INGREDIENT:**  
n-Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>)  
dimethyl benzyl ammonium chloride 10%  
**INERT INGREDIENTS** 90%

EPA Registration No. 11539-1  
EPA Establishment No. 11539NJ01  
Net Contents: Liquid  
See Markings on Top of Drum for Net We.

**KEEP OUT OF REACH OF CHILDREN**

### DANGER

Corrosive. Causes eye 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.

### STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call 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. 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.

**See Side Panel For Additional Precautionary Statements.**

## WATER SCIENCES

Apollo Technical Products  
One Apollo Drive  
Whippany, New Jersey 07981  
Tel: 908-995-9400

# B MICIDE

### STATEMENT OF FIRST AID TREATMENT

Immediately flush eyes or skin with water for at least 15 minutes. For eyes, call a physician and wash contaminated clothing.

Immediately drink a large quantity of milk or water. If these are not available, drink water. Call a physician.

**Caution:** This product may contraindicate the use of beta-blockers against circulatory shock, asthma, and convulsion may be needed.

See Inside Panel For  
Additional Cautionary Statements.

APOLLO 4788 Cooling Tower Algaecide-Slimicide is intended for use in commercial and/or industrial type cooling towers. It controls algae and slime on the wetted surfaces and in the recirculating water in cooling towers. The growth of algae and slime-producing bacteria and fungi can seriously reduce the efficiency of the entire cooling system. This situation can be avoided by the proper use of APOLLO 4788 Algaecide-Slimicide.

## DIRECTIONS FOR USE

### GENERAL CLASSIFICATION

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

### PRECAUTIONARY STATEMENTS

#### WARNING

*Hazardous to Humans and Domestic Animals*

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply in marine and/or estuarine or fields. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge treated effluent into lakes, streams, ponds or public waters unless in accordance with a NPDES permit. For guidance contact your Regional Office of the EPA.

### STORAGE AND DISPOSAL

#### 1. PROHIBITIONS

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

#### 2. PESTICIDE DISPOSAL

Pesticide, spray mixture, or rinsate that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

#### 3. CONTAINER DISPOSAL

- Reuse container and offer for reconditioning, or
- Triple rinse (or equivalent) and offer for recycling, reconditioning, and disposal in approved landfill or bury in a safe place.

#### 4. GENERAL

Consult Federal, State or Local Disposal Authorities for approved alternative procedures.

### INDUSTRIAL COOLING TOWERS

APOLLO 4788 should be added to the cooling water at the reservoir (sump) or at the distribution pan. In towers equipped with metering devices or continuous feed equipment this equipment may be used to disperse the product into the tower.

#### INITIAL DOSE

In a clean system with no algae or microbial slime growth visible, add three gallons of APOLLO 4788 Algaecide-Slimicide per 10,000 gallons of cooling water.

If Algae and microbial slime growth is visible, add six gallons of APOLLO 4788 Algaecide-Slimicide per 10,000 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 APOLLO 4788 Algaecide-Slimicide at a rate of one gallon per 10,000 gallons of bleed-off. If algae or microbial slime growth becomes visible, add three gallons of APOLLO 4788 Algaecide-Slimicide per 10,000 gallons of cooling water as "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 one to three gallons of APOLLO 4788 Algaecide-Slimicide per 10,000 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 three to six gallons of APOLLO 4788 Algaecide-Slimicide should be added to the cooling water. This "slug dose" should then be followed by the regular maintenance dose.