

**AK-100 WATER TREATMENT MICROBIOCID** will control algae and bacterial slimes found in recirculating cooling tower waters. **AK-100 WATER TREATMENT MICROBIOCID** helps clean and loosen slime debris from cooling system surfaces. When used in slug doses, no other microbiocide is required.

**AK-100 WATER TREATMENT MICROBIOCID** is economical to use because it is concentrated. It should be handled with care.

**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.

**ACCEPTED**  
 JUL 15 1976  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act  
 EPA REGISTRATION NO. 37327-1

# AK-100 WATER TREATMENT MICROBIOCID

Twin-Chain Quaternary Ammonium Compound Concentrate  
 Water Treatment Microbiocide for Building and Industrial Cooling Towers

**Active Ingredients**

Didecyl dimethyl ammonium chloride 50%  
 Isopropyl alcohol 20%

**Inert Ingredients**

30%  
 100%

**EPA Registration No.**

37327-1

**Net Weight**

400 lbs.

**Net Volume**

55 gals.

**AQUA KINETICS, INC.**

P.O. Box 249

Irwin, Pa. 15642

**DANGER**

KEEP OUT OF REACH OF CHILDREN. SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

**USE DIRECTIONS**

To control algae and bacterial slimes, use **AK-100 WATER TREATMENT MICROBIOCID** as directed. For best results, slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of **AK-100 WATER TREATMENT MICROBIOCID**, follow this procedure.

- Initially use 6 fluid ounces per 1000 gallons of water to be treated (20 ppm active quaternary).  
 Should the above dosage not give satisfactory results, use 9 fluid ounces per 1000 gallons of water.  
 Repeat the initial dose every seven days or increase the frequency if needed.
- When the above treatment level is successful, use 2 to 3 fluid ounces per 1000 gallons of water to maximize efficiency. Repeat weekly as needed.  
 Should slime develop again, go back to initial dosage.

Cooling tower waters that are inherently low in algae growth and bacteria count may be adequately controlled by the lower range of these dosages; slug fed every seven days.

Dilute the appropriate amount of **AK-100 WATER TREATMENT MICROBIOCID** in 1 or 2 gallons of water then add to the sump of the tower. Note, this product weighs 7.49 lbs per gallon (at 20°C).

This product is toxic to fish. Treatment effluent should not be discharged where it will drain into lakes, streams, ponds, or public water.

Should tower be heavily fouled, a pre-cleaning is required.

Do not reuse empty drum. Return to drum reconditioner or rinse well with soap solution and discard. Do not contaminate water by disposal of waste.