

**GARRATT-CALLAHAN FORMULA 34-A** will aid in the control of algae and bacterial slimes found in recirculating cooling tower waters. **GARRATT-CALLAHAN FORMULA 34-A** helps to clean and loosen slime debris from cooling system surfaces.

For best results follow the directions on this label. This product contains two active chemicals and 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.

**GARRATT-CALLAHAN  
FORMULA 34-A  
WATER TREATMENT MICROBIOCIDES  
EPA REG. NO. 8540-15**

Water Treatment Microbiocide  
for Building and Industrial  
Cooling Towers

**Active Ingredients**

Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> )	
dimethyl benzyl ammonium chloride	12.5%
Bis (tri-n-butyltin) oxide	2.5%
<b>Inert Ingredients</b>	<b>85 %</b>

Total 100%

**ACCEPTED**

APR 8 1975

UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND ROUENICIDE ACT  
FOR ECONOMIC POISON REGISTRATION  
EPA UNDER NO. 8540-15

**GARRATT-CALLAHAN CO.**  
WATER TREATMENT ENGINEERS SINCE 1904

OFFICES IN PRINCIPAL  
CITIES AND STRATEGIC  
INDUSTRIAL AREAS



HOME OFFICE  
111 ROLLINS RD.  
MILLBRAE  
CALIFORNIA 94030

**DANGER**

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

**USE:**

To control algae and bacterial slimes, use Formula 34-A as directed. The frequency of addition of Formula 34-A depends on many factors. To optimize the use of Formula 34-A, follow this:

1. Heavily fouled towers require thorough cleaning. All systems should be cleaned before starting.
2. When the system is clean, a dosage of 2 to 3 p.p.m. in 100 gallons of water in the system will control algae and slimes.
3. Once algae and slimes are controlled, add Formula 34-A once or twice a week. Add 1/2 ounce of Formula 34-A per 100 gallons of water in the system.

Formula 34-A may be added to the system. Do not add at or near the intake.

This product is toxic to fish and should not be discharged into streams or ponds or public places as specified on this label.

Do not re-use empty drums. Recycle or destroy by perforating in a safe place.

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ACCEPTED

# GARRATT-CALLAHAN

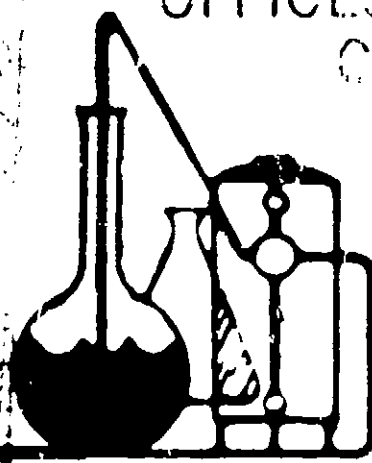
## FORMULA 34-A

### WATER TREATMENT MICROBIOCIDES

#### EPA REG. NO. 8540-15

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for Building and Industrial  
Cooling Towers

<b>Active Ingredients</b>	
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dimethyl benzyl ammonium chloride	12.5%
Bis (tri-n-butyltin) oxide	2.5%
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Total 100%	



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### USE DIRECTIONS

To control algae and bacterial slimes use Garratt-Callahan Formula 34-A as directed. For best results slug feed. The frequency of addition of microbiocide needed depends upon many factors. To optimize your use of Garratt-Callahan Formula 34-A, follow this procedure.

1. Heavily fouled towers should be given an initial manual cleaning. All systems should be regularly cleaned.
2. When the system is noticeably fouled, use an initial dosage of 2 to 3 pints of Formula 34-A per 1,000 gallons of water in the system. Repeat daily until control is achieved.
3. Once algae and slime are under control, shock treat once or twice a week (or more frequently, if needed) with Formula 34-A at 1 to 2 pints per 1,000 gallons of water in the system.

Formula 34-A may be added directly to the tower basin. Do not add at or near the bleed-off line.

This product is toxic to fish and wildlife. Treated effluent should not be discharged where it will drain into lakes, streams or ponds or public water. Apply this product only as specified on this label.

Do not re-use empty drums. Return to drum conditioner or destroy by perforating or crushing and burying in a safe place.