

GARRATT-CALLAHAN FORMULA 30-A will aid in controlling algae and bacterial slimes found in industrial recirculating cooling tower waters. GARRATT-CALLAHAN FORMULA 30-A helps clean and loosen slime debris from cooling system surfaces. Proper control of such growths is important in the general maintenance of the system.

GARRATT-CALLAHAN FORMULA 30-A is in a concentrated form and should be handled with care. Please read use directions on opposite panel.

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.

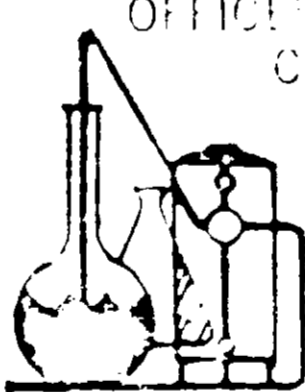
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**GARRATT-CALLAHAN
FORMULA 30-A
WATER TREATMENT MICROBIOCIDE
EPA REG. NO. 8540-3**

Water Treatment Microbiocide
for Building and Industrial
Cooling Towers

Active Ingredients	
Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) Dimethyl Benzyl Ammonium Chlorides	7%
Inert Ingredients	93%
	100%

GARRATT-CALLAHAN CO.
WATER TREATMENT ENGINEERS SINCE 1944



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.**

(NOTE: NET WT. STENCILLED ON DRUM)

USE DIRECTIONS

To control algae and bacterial slimes, use GARRATT-CALLAHAN FORMULA 30-A as directed. For best results, slug feed. The frequency of addition of microbicide needed depends on many factors. To optimize your use of GARRATT-CALLAHAN FORMULA 30-A follow this procedure.

1. Initially use 1½ pints per 1000 gallons of water to be treated (16.8 ppm active quaternary). Should the above dosage not give satisfactory results, use 2 pints per 1000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.
2. When the above treatment level is successful, use 1 to 1½ pints 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 feed every seven days.

Dilute the appropriate amount of GARRATT-CALLAHAN FORMULA 30-A in 1 or 2 gallons of water then add to the sump of the tower.

This product is toxic to fish. Keep out of lakes, streams, or ponds. Apply this product only as specified on this label.

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.

ACCEPTED
March 3, 1974

EPA REG. NO. 8540-3
WATER TREATMENT MICROBIOCIDE

EPA REG. NO. 8540-3

8540-3

GARRATT-CALLAHAN FORMULA 35 will control algae and bacterial slimes found in recirculating cooling tower waters. GARRATT-CALLAHAN FORMULA 35 helps clean and loosen slime debris from cooling system surfaces. When used in slug doses, no other microbiocide is required.

GARRATT-CALLAHAN FORMULA 35 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
 March 30, 1973
 UNDER THE FEDERAL INSECTICIDE AND FUNGICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO. 8540-13

**GARRATT-CALLAHAN
 FORMULA 35
 WATER TREATMENT MICROBIOCIDE
 EPA REG. NO. 8540-13**

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

Active Ingredients

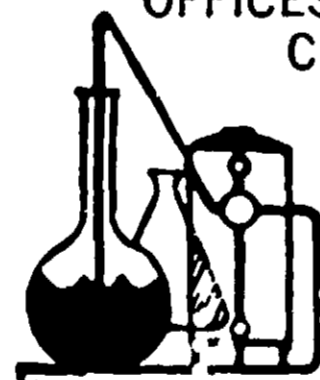
Didecyl dimethyl ammonium chloride 25%
 Isopropyl alcohol 10%

Inert Ingredients

65%
 100%

GARRATT-CALLAHAN CO.
 WATER TREATMENT ENGINEERS SINCE 1904

OFFICES IN PRINCIPAL
 CITIES AND STRATEGIC
 INDUSTRIAL AREAS



HOME OFFICE
 111 ROLLINS RD.
 MILSBRAE
 CALIFORNIA 94030

DANGER

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

USE DIRECTIONS

To control algae and bacterial slimes, use GARRATT-CALLAHAN FORMULA 35 as directed. For best results, slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of GARRATT-CALLAHAN FORMULA 35, follow this procedure.

1. Initially use 12 fluid ounces per 1000 gallons of water to be treated (20 ppm active quaternary). Should the above dosage not give satisfactory results, use 18 fluid ounces per 1000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.

2. When the above treatment level is successful, use 4 to 6 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 GARRATT-CALLAHAN FORMULA 35 in 1 or 2 gallons of water then add to the sump of the tower.

This product is toxic to fish. Keep out of lakes, streams, or ponds. Apply this product only as specified on this label.

Should tower be heavily fouled, a precleaning is required.

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