

GARRATT-CALLAHAN FORMULA NO. 30-A

To aid in the control of algal and bacterial slimes in industrial recirculating cooling water systems.

Active Ingredients:

- n-Alkyl [60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈] dimethyl benzyl ammonium chlorides 3.5%
- n-Alkyl [50% C₁₂, 30% C₁₄, 17% C₁₆, 3% C₁₈] dimethyl ethylbenzyl ammonium chlorides 3.5%

Inert Ingredients: 93 %

Instructions for Use:

Biocides are most effective against microorganisms if the system to be treated is first cleaned of as much deposit and debris as possible. Formula 30-A may be added directly to the water being treated. Addition may be made in the basin or sump of a cooling tower or over the surface of a cooling pond. A slug dose of 1 to 2 pints of Formula 30-A per 1,000 gallons of water is an average treatment. This is the equivalent of 125 to 250 ppm of Formula 30-A. This dose may be repeated every seven days or less until biological control is effected. Dosages may require adjustment to meet specific needs. Consult your Garratt-Callahan Engineer.

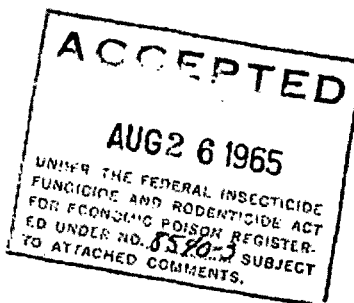
CAUTION:

Harmful if swallowed. Do not allow to get in eyes. In case of contact with skin or eyes, flush with water and get medical attention. It is suggested that protective clothing and goggles be worn when handling. This is not a foodstuff and should not come in contact with food or potable water.

For Industrial Use Only.
KEEP OUT OF THE REACH OF CHILDREN.

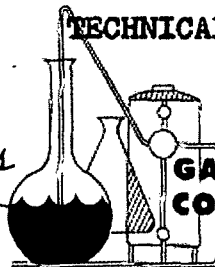
Manufactured and Distributed by
GARRATT-CALLAHAN COMPANY
Los Angeles • Millbrae [Calif.] • New York
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U.S.D.A. Registration Number _____



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**GARRATT-CALLAHAN
COMPANY**

**GARRATT-CALLAHAN FORMULA NO. 30-A
A Biocide**

Description

Garratt-Callahan Formula 30-A is a liquid blend of quaternary ammonium compounds which have been selected both for biocidal properties and hard water tolerance. Formula 30-A has a hard water tolerance of 850 ppm [as CaCO₃]. It is a clear liquid which is soluble in water in all proportions and will not produce unpleasant or irritating odors at use dilutions. Formula 30-A is compatible with most of the compounds used in cooling water treatment.

Uses

To aid in the control of algal and bacterial slimes in industrial recirculating cooling water systems.

General Methods of Application

Formula 30-A may be added directly to the water being treated. In a cooling tower the addition may be made in the basin or sump. In a cooling pond, Formula 30-A may be poured over the surface. [Not to be used in fish-inhabited waters.]

The recommended slug-fed dosage is 1 to 2 pints of Formula 30-A per 1,000 gallons of water. [This is the equivalent of 125 to 250 ppm of Formula 30-A.] This dose may be repeated every seven days or less until biological control is satisfactorily effected.

Safety and Handling

Garratt-Callahan Formula 30-A is a toxicant and may cause skin or eye irritation. Do not take internally. Wear protective clothing, gloves and goggles when handling. Get medical attention if swallowed or splashed in eyes or if skin irritation persists. Do not use in potable water. Keep out of the reach of children. For industrial use only.

ACCEPTED
AUG 26 1965
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 8540-2 SUBJECT
TO ATTACHED COMMENTS.

T.B. No. 330-A
6/65-WD-100