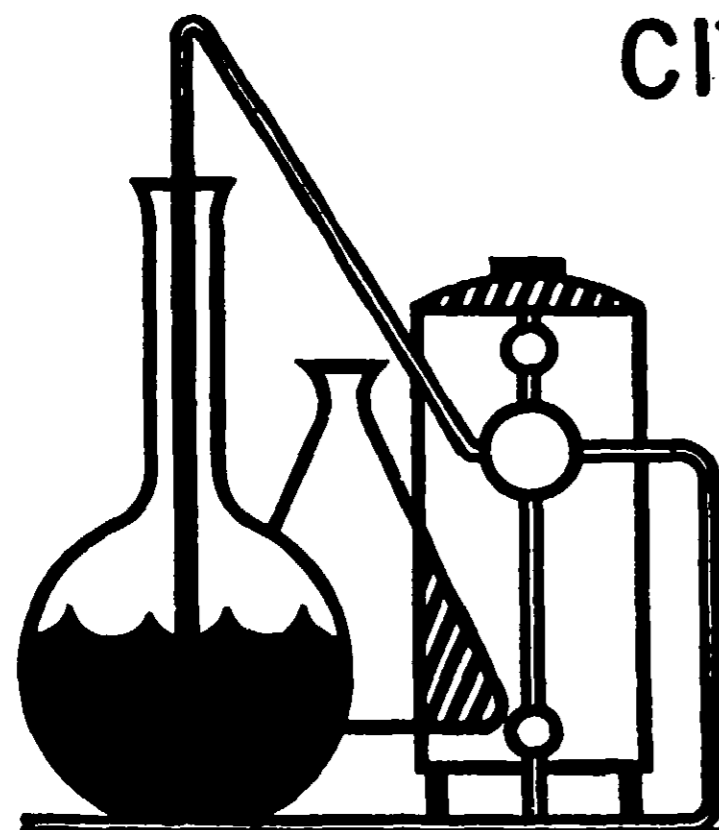


GARRATT-CALLAHAN CO.
WATER TREATMENT ENGINEERS SINCE 1904

OFFICES IN PRINCIPAL
CITIES AND STRATEGIC
INDUSTRIAL AREAS



HOME OFFICE
111 ROLLINS RD.
MILLBRAE
CALIFORNIA 94030

FORMULA NO. 32

TO AID IN THE CONTROL OF ALGAL AND BACTERIAL SLIMES IN
RECIRCULATING COOLING WATER SYSTEMS

ACTIVE INGREDIENTS.....
Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)—
ethylene dichloride]

INERT INGREDIENTS.....
Weight per gallon.....
Weight of active ingredients per gallon.....

APPLICATION

Formula 32 is used to control algae, bacteria, and fungi in recirculating industrial water cooling towers. Prior to its use, systems must be cleared of growth, microbiological slime and other deposits. An initial slug addition of 0.82 fluid ounces of Formula 32 per 1000 gallons of water, to provide a concentration of 0.82 parts per million of Formula 32 based on the total weight of water in the system. Subsequent slug additions of 0.82 to 8.2 fluid ounces of Formula 32 per 1000 gallons of water (6.6 to 66 parts per million of Formula 32) should be employed as needed. The frequency of addition depends upon the relative amount and severity of the microbiological problem. Slug additions should be made in cooling towers.

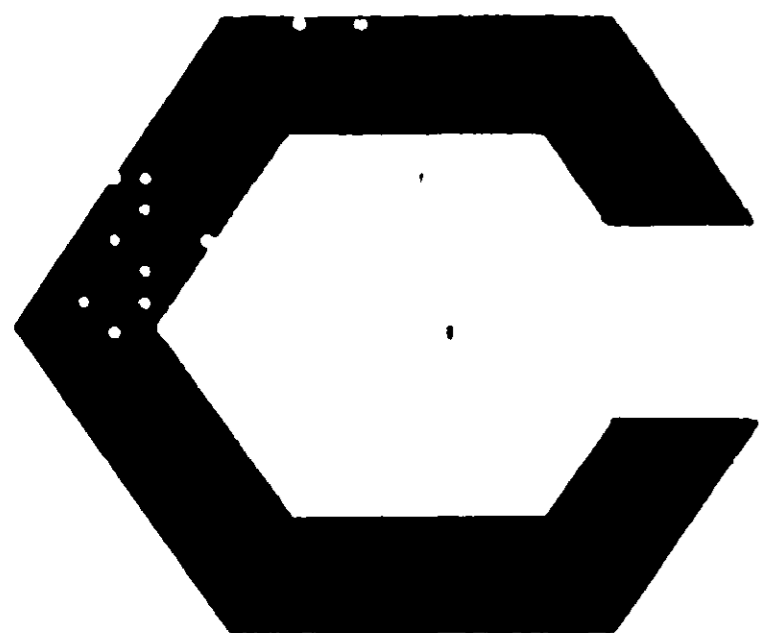
CAUTION

KEEP OUT OF THE REACH OF CHILDREN

Harmful if swallowed. Avoid contact with skin and eyes. In case of contact with water for at least 15 minutes. If eye irritation persists get medical attention. Contamination of food.

This product is toxic to fish. Do not add treated effluent to lakes, streams, or other surface water by cleaning of equipment or disposal of waste. Use label.

EPA REG. NO. 8540-8



GILFORD CHEMICALS CO.
ENGINEERS SINCE 1904

**PRINCIPAL
SPECIALTIES AND STRATEGIC
INDUSTRIAL AREAS**

**HOME OFFICE
1111 ROLLINS RD.
MILLBRAE
CALIFORNIA 94030**

FORMULA NO. 32

**TO AID IN THE CONTROL OF ALGAL AND BACTERIAL SLIMES IN INDUSTRIAL
RECIRCULATING COOLING WATER SYSTEMS**

ACTIVE INGREDIENTS	18.0%
Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)— ethylene dichloride]	18.0 percent
INERT INGREDIENTS	82.0%
Weight per gallon.....	8.65 pounds
Weight of active ingredients per gallon.....	1.56 pounds

APPLICATION

Formula 32 is used to control algae, bacteria, and fungi in recirculating commercial and industrial water cooling towers. Prior to its use, systems must be cleaned to remove algal growth, microbiological slime and other deposits. An initial slug addition of 3.3 to 8.2 fluid ounces of Formula 32 per 1000 gallons of water, to provide a concentration of 27 to 66 parts per million of Formula 32 based on the total weight of water in the system is recommended. Subsequent slug additions of 0.82 to 8.2 fluid ounces of Formula 32 per 1000 gallons of water (6.6 to 66 parts per million of Formula 32) should be employed every 2 to 5 days or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

CAUTION

KEEP OUT OF THE REACH OF CHILDREN

Harmful if swallowed. Avoid contact with skin and eyes. In case of contact flush with plenty of water for at least 15 minutes. If eye irritation persists get medical attention. Avoid contamination of food.

This product is toxic to fish. Do not add treated effluent to lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of waste. Use only as directed on label.

EPA REG. NO. 8540-8

GCF 300

GARRATT-CALLAHAN FORMULA 36 is a dry organic chlorine donor designed to aid in the control of algae and bacterial slimes found in recirculating cooling tower waters. It is chemically designed to allow the slow release of chlorine and to stabilize the chlorine and retard its escape from the water.

DANGER: KEEP OUT OF REACH OF CHILDREN

POISON - Strong oxidizing agent - May be fatal or harmful if swallowed. May produce severe chemical burns. Do not allow contact with eyes, skin, mucous membranes, or clothing. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes; for eyes, obtain prompt medical attention.

ANTIDOTE - If swallowed, drink raw egg white, milk or cooked cereal. Follow with emetic (tablespoon of mustard in a glass of warm water or cooking oil). Call a physician.

Mix only with water. Do not mix with any other chemicals or concentrated chemical solutions. Contact with oxidizable material such as paper, rags, paint products, vinegar, kerosene, cleaners, soap products, etc., or with acids or alkalis or combustible materials may cause fire or decomposition which in turn can release toxic gases. In case of fire, douse liberally with water.

Keep in cool, dry place. Open container only where adequate ventilation is available. Do not breathe in or inhale container vapors. After each use, re-close container to protect remaining material. Keep away from fire, heat or open flame.



GARRATT-CALLAHAN FORMULA 36 WATER TREATMENT MICROBIOCIDES

Oxidizing Microbiocide for Building
and Industrial Cooling Towers

EPA Reg. No. 8540-14

Active Ingredients:

Sodium dichloro-S- triazinetrione 25%

Inert Ingredients:

75%

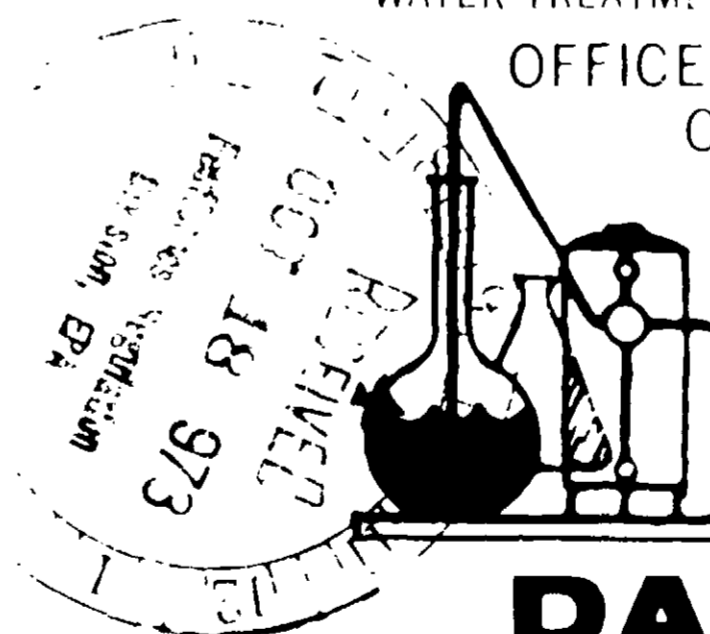
100%

Contains approximately 16% by weight available chlorine.

GARRATT-CALLAHAN CO.
WATER TREATMENT ENGINEERS SINCE 1914

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.**

To control algae
CALLAHAN FORMULA 36
slug feed. The
needed depend
use of **GARRATT-CALLAHAN FORMULA 36**
this procedure.
FORMULA 36 s
until a residual
is in the water.
the addition of
water will result
the amount needed
sity of overcoming
It is suggested
1,000 gallons b
of the tower. F
less until satisfi
When this treatm
of 4 oz. per 1,000
Should slime d
1,000 gallons.
Should tower b
quired.
For maximum e
this product b
non-oxidizing
drop below 0.5
biocide. At oth
maintain residu
by frequent us
This product is
not be discha
streams, ponds
fried on this la
Do not reuse e
et or rinse we
not contain m