



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

DANGER KEEP OUT OF REACH OF CHILDREN Corrosive. Causes eye damage and skin irritation. 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.

ENVIRONMENTAL HAZARDS This pesticide is toxic to fish. Do not discharge treated effluent into lakes, streams, ponds or public water unless in accordance with an NPDES permit. For guidance, contact your Regional Office of the EPA.

Do not allow water that contains this pesticide to come in contact with grass or plants. Do not use in drinking water or in swimming pools. Do not apply in marine or estuarine or fields.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Bio-Guard CWT-100 Algicide may be metered, pumped, gravity fed or poured from a suitable container into the treatment system. Centrifugal, injection, piston or diaphragm pumps are satisfactory. Algicide feed pumps, meters and feed lines may be stainless steel, neoprene, glass, plastic or unpigmented fiberglass.

RECIRCULATING WATER COOLING SYSTEM. Bio-Guard CWT-100 Algicide is a product formulated to provide control of the growth of algae in recirculating water cooling systems and evaporative condensers.

If heavy slime growths are present, clean the system before initial treatment. If algae growth is absent or just noticeable, proceed with the initial dose. Add all treatments directly to the sump.

Initial Dose: When the system is fouled, apply a dose of 4 fluid ounces per 100 gallons of water in the system. Repeat daily until control is achieved.

Subsequent Dose: When algae control is evident, add 2 fluid ounces per 100 gallons water in the system every 7 days (weekly) or as needed to maintain control. Badly fouled systems may be manually or chemically cleaned before treatment is begun.

**OIL FIELD AND PETROCHEMICAL SUBSURFACE
INJECTION SYSTEMS:**

Bio-Guard CWT-100 is recommended for control of anaerobic

BIO-GUARD CWT-100 ALGICIDE

*Controls Slime in Recirculating Water Cooling
Towers*

*Controls Anaerobic Sulfate-Reducers and Aerobic
Bacteria in Oil Field and Petrochemical Water
Injection Systems*

For information on the use of Bio-Guard CWT-100 Algicide in recirculating water cooling systems, contact your local distributor or write to: Bio-Lab, Inc., 1000 Peachtree Street, N.E., Decatur, Georgia 30030.

FOR INDUSTRIAL AND COMMERCIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN DANGER

(See other precautions on back panel.)

STATEMENT OF PRACTICAL TREATMENT: 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, or water. 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, respiration, hypotension and convulsion may be needed.

Mfg. Manufactured by
BIO-LAB, INC.
Decatur, Georgia

EPA Reg. No. 5185-165
EPA Est. No. 5185-GA-1

Net Contents: 55 Gallons

sulfate-reducing bacteria and aerobic heterotrophic bacteria in subsurface injection systems such as secondary oil recovery systems.

Biological requirements vary from site to site, requiring control are raw water sources, mixing and the formation itself. The primary treatment from site to site depending on the site problem, treatment methods and equipment. The Algicide applied where it will disperse most rapidly, the desired area of treatment. This may be pumps, mixing tanks, storage tanks, to pump the water as it is pumped to the formation, pumped to the formation or it may be pumped to the information.

Bio-Guard CWT-100 may be used continuously. An effective slug dose is 40 ounces water in the system (320 ppm). The slug applied for three to eight hours daily until the control is achieved. A continuous feed of 10 gallons (78 ppm) would also give effective heterotrophic bacteria and anaerobic sulfate-reducers. One is concerned only with anaerobic sulfate-reducers, above concentrations may be reduced by one.

Badly fouled systems may be slug treated followed by continuous feed to maintain control. Lower level treatment for anaerobic sulfate-reducers, higher level treatment for heterotrophic bacteria.

STORAGE AND DISPOSAL

1. PROHIBITIONS DO NOT CONTAMINATE OR FEED BY STORAGE OR DISPOSAL OF PROHIBITED

2. PESTICIDE DISPOSAL PESTICIDE OR CANNOT BE USED OR CHEMICALLY SHOULD BE DISPOSED OF IN A LANDFILL FOR PESTICIDES OR BURIED IN A SAFE FROM WATER SUPPLIES

3. CONTAINER DISPOSAL (a) RESEAL OR OFFER FOR RECONDITIONING OR (b) TRI EQUIVALENT) AND OFFER FOR RECYCLING OR DISPOSAL IN APPROVED BURY IN A SAFE PLACE

4. GENERAL CONSULT FEDERAL STATE DISPOSAL AUTHORITIES FOR APPROVED METHOD

ACCEPTED

11 1981

BIO-GUARD CWT-100 ALGICIDE

*Controls Slime in Recirculating Water Cooling
Towers*

*Controls Anaerobic Sulfate-Reducers and Aerobic
Bacteria in Oil Field and Petrochemical Water
Injection Systems*

For information on the use of Bio-Guard CWT-100, contact your local distributor or write to: Bio-Lab, Inc., 1000 Northgate, Decatur, Georgia 30030.

FOR INDUSTRIAL AND COMMERCIAL USE ONLY
**KEEP OUT OF REACH OF CHILDREN
DANGER**

(See other precautions on back panel)

STATEMENT OF PRACTICAL TREATMENT: 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 or white, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucous membrane irritation may occur due to use of gastric lavage. Measures against respiratory shock, respiratory depression and convulsions may be needed.

Manufactured by
BIO-LAB, INC.
Decatur, Georgia

EPA Reg. No. 5185-168
EPA Est. No. 5185-GA-1

Net Contents: 55 Gallons

which reducing bacteria and aerobic heterotrophic bacteria in oil field injection systems, such as secondary and tertiary oil recovery systems.

Biological requirements vary from site to site. Areas frequently requiring control are raw water sources, mixing tanks, screens and the formation itself. The primary treatment location will vary from site to site depending on the site problems, water flow and treatment methods and equipment. The Algicide should be applied where it will disperse most rapidly and uniformly to the desired area of treatment. This may be at screens, filters, pumps, mixing tanks, storage tanks, to pre-filter water to the water as it is pumped to the formation or it may be pumped directly to the formation.

Bio-Guard CWT-100 may be used continuously or in slug doses. An effective slug dose is 40 ounces per 1000 gallons water in the system (320 ppm). The slug dose should be applied for three to eight hours daily until the desired level of control is achieved. A continuous feed of 10 ounces per 1000 gallons (78 ppm) would also give effective control of most heterotrophic bacteria and anaerobic sulfate reducers. Where one is concerned only with anaerobic sulfate reducers, the above concentrations may be reduced by one-half to one-third.

Badly fouled systems may be slug treated to get initial control followed by continuous feed to maintain control. Use the above lower level treatment for anaerobic sulfate reducers and the higher level treatment for heterotrophic bacteria.

STORAGE AND DISPOSAL

1. PROHIBITIONS: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. OPEN DUMPING IS PROHIBITED.

2. PESTICIDE DISPOSAL: PESTICIDE OR RINSATE THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES.

3. CONTAINER DISPOSAL: (a) RESEAL CONTAINER AND OFFER FOR RECONDITIONING OR (b) TRIPLE RINSE (OR EQUIVALENT) AND OFFER FOR RECYCLING, RECONDITIONING OR DISPOSAL IN APPROVED LANDFILL OR BURY IN A SAFE PLACE.

4. GENERAL: CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATE METHOD.

STATEMENTS HUMANS ANIMALS

CH OF CHILDREN: Control
irritation. Do not get in
eyes. Wear goggles or face shield.
Harmful or fatal if swallowed.

This pesticide is toxic to fish
in lakes, streams, ponds or
with an NPDES permit. For
use of the EPA.

Do not use this pesticide to come in
contact with drinking water or in
drinking water or in fields.

OR USE

Use this product in a manner

metered, pumped, gravity,
container into the treatment
or diaphragm pumps and
meters and feed lines may
be plastic or unpigmented.

ILING SYSTEM: Bio-Guard
is used to provide control of
in water cooling systems and

clean the system before
absent or just noticeable.
all treatments directly to the

ed, apply a dose of 4 fluid
in the system. Repeat daily.

control is evident, add 2 fluid
in the system every 7 days
tain control. Badly fouled
chemically cleaned before

EMICAL SUBSURFACE SYSTEMS:

ed for control of anaerobic