

THIS PRODUCT is recommended to control the growth of green algae (Chlorella, Scenedesmus), blue-green algae (Phormidium, Anabaena), anaerobic sulfate-reducing bacteria (Desulfotomaculum) and aerobic heterotrophic bacteria (Bacillus sp., Pseudomonas sp.) in recirculating water cooling systems, evaporative condensers and in subsurface injection systems, such as secondary and tertiary oil recovery systems.

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

**DANGER:** Highly corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Remove and wash contaminated clothing before reuse.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES Permit. For guidance, contact the regional office of EPA.

**DIRECTIONS FOR USE  
GENERAL CLASSIFICATION**

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

THIS PRODUCT may be metered, pumped, gravity fed or poured from a suitable container into the treatment system. Centrifugal, injection, piston or diaphragm pumps are satisfactory. Algaecide feed pumps, meters and feed lines may be stainless steel, neoprene, glass, plastic or unpolished fiberglass.

**RECIRCULATING WATER COOLING TOWERS:**  
**INITIAL TREATMENTS:** To a usually clean system or when algae or slime is first visible, to pump water near pump sump area, add 25 to 50 ounces of THIS PRODUCT for each 1,000 gallons of water (195 to 390 ppm) in the system. Repeat initial dose at day intervals until algae and slime control is evident. Badly fouled systems should be cleaned before starting treatment.

**MAINTENANCE TREATMENTS:** The frequency and amount which are applied should be used to control slime and biofilm growth. Amounts should be determined by experience, laboratory tests, and water meter composition. For more information, contact the manufacturer's office.

A treatment of the system should be made when algae or slime is first visible. To pump water near pump sump area, add 25 to 50 ounces of THIS PRODUCT for each 1,000 gallons of water (195 to 390 ppm) in the system. Repeat initial dose at day intervals until algae and slime control is evident. Badly fouled systems should be cleaned before starting treatment.

**FEEDING:** The amount of product should be determined by experience, laboratory tests, and water meter composition. For more information, contact the manufacturer's office.

**CHEMSCOPE  
MICROBIOCIDES - ALGICIDE**

Controls algae slime growth on recirculating water cooling towers and evaporative condensers.  
Controls anaerobic sulfate-reducers and aerobic heterotrophic bacteria in oil field and petro-chemical water injection systems.

**ACTIVE INGREDIENTS:**  
Allyl (C14, 58%; C16, 28%; C12, 14%)  
dimethyl benzyl ammonium chloride . . . . . 20%  
**INERT INGREDIENTS . . . . . 80%**  
**TOTAL INGREDIENTS . . . . . 100%**

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**PRACTICAL TREATMENT (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 physician immediately.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by cautious intravenous injection of a short acting barbiturate drug.

SEE ADDITIONAL PRECAUTIONS ON SIDE PANEL.

NOT FOR USE OR STORAGE AROUND THE HOME ENVIRONMENT  
FOR COMMERCIAL AND INDUSTRIAL USE ONLY

EPA REG. NO. 91344-1 EPA REG. NO. 9143-95

NET CONTENTS 1 GALLON (128 LIQ. OZ.)  
MATERIAL TO BE KEPT FROM CHILDREN



Chemscope Microbiocides  
10000  
10000  
10000

**OIL FIELD AND PETROCHEMICAL SUBSURFACE INJECTION SYSTEMS:** Ecological 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 flood treatment methods and equipment. The microbiocides 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.

**SLUG DOSES:** An effective treatment for aerobic heterotrophic bacteria is 100-400 ppm THIS PRODUCT (12 to 50 ounces per 1,000 gallons). A slug dose for anaerobic sulfate-reducers is 30-118 ppm of the Algicide (3.25 to 15 ounces per 1,000 gallons). The appropriate slug dose should be applied for three to eight hours daily until the desired level of control is achieved. To maintain the system in an acceptable manner, utilize a continuous treatment with the algicide or apply intermittent doses.

**INTERMITTENT DOSES:** To prevent a clean system from fouling, slug doses may be applied intermittently. The frequency of intermittent doses will vary with individual systems and can be established only through experience. Intermittent doses may be required 2 to 3 times a week in some systems. Other systems may require dosing once a week or once every two weeks. For heterotrophic bacteria, use 100-400 ppm THIS PRODUCT (12 to 50 ounces per 1,000 gallons). For anaerobic sulfate reducers use 30-118 ppm THIS PRODUCT (3.25 to 15 ounces per 1,000 gallons). Maintain these doses for two to eight hours, depending upon the requirements of your system.

**CONTINUOUS TREATMENT:** Fouled systems should be slug treated to get initial control, followed by continuous treatment to maintain control. Use 20 to 100 ppm THIS PRODUCT (3.75 to 12.5 ounces per 1,000 gallons). The lower dose concentration is usually satisfactory for Desulfotomaculum. Higher doses may be needed for the aerobic heterotrophic bacteria.

**STORAGE AND DISPOSAL**

1. **PRECAUTIONS:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

2. **HAZARDOUS DISPOSAL:** Residue or waste that cannot be used or otherwise processed should be disposed of in a closed, leak-proof container or in a deep well away from water supply.

3. **CONTAINER DISPOSAL:** (1) Do not reuse or refill this container. (2) Do not burn or incinerate this container. (3) Do not puncture, cut, or otherwise damage this container. (4) Do not use this container for any other purpose.

BEST DOCUMENT AVAILABLE

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (RHH 567)  
WASHINGTON, D.C. 20461

EPA REGISTRATION NO.

DATE OF ISSUANCE

15 MAY 1984

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

**NOTICE OF PESTICIDE:** REGISTRATION  
RENEWAL  
*(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act)*

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

[Empty registration details area]

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE