BIOSPERSE® 250 microbiode

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF INHALED. HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN.

Do not get in eyes, on skin or on clothing. Mixers, loaders and others exposed to this product must wear long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to aquatic plants, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, ponds, pools, canals, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply pesticide only as specified on this label.

STORAGE AND DISPOSAL
Do not contaminate water, food and feed by storage or disposal.

PESTICIDE STORAGE: This product is corrosive to mild steel. Do not store or transport in unlined metal containers.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess residue or rinses is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Authority, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning, if appropriate. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/2 full with water. Replate and tighten closures. Tip container on its sides and roll it back and forth, egressing at least one complete revolution, for 30 seconds. Stand the container on its end and roll it back and forth several times. Empty the rinse into application equipment or a mix tank or store rinsable for later use of disposal. Repeat these procedure two more times.

GENERAL CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

ACTIVE INGREDIENTS:
- 5-Chloro-2-methyl-4-isothiazolin-3-one ........................................... 1.15%
- Methylene-bis(2-chloro-4-Methyl-6-isothiazolin-3-one) .................. 0.41%

INERT INGREDIENTS: 98.44%

TOTAL: 100.00%
The product contains the active ingredients at 0.1326 parts per gallon

EPA Reg. No. 74655-20
EPA Est. No. 1757-TX-01 74655-GA-001

KEEP OUT OF REACH OF CHILDREN
DANGER
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID
IF IN EYES:
Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF SWALLOWED:
Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING:
Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED:
Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probably mucosal damage may contaminate the use of gastric lavage.

Contents could be of U.S. or Great Britain

Sold by: Hercules Incorporated
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24 hour emergency telephone number 1-800-274-5263 or 1-840-ASHLAND

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DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

BIOSPERSE® 250 microbiode controls bacteria, fungi and algae in industrial recirculating cooling water systems such as cooling towers, pasteurizers, air washers and evaporative condensers and is used as a preservative in aqueous metal working fluids.

BIOSPERSE® 250 microbiode controls slime forming bacteria, sulfate reducing bacteria, yeast and fungi in oil field water and other oil field water systems.

BIOSPERSE® 250 microbiode is not recommended for use in potable water systems or where contamination of potable water can occur.

INDUSTRIAL RECIRCULATING COOLING WATER SYSTEMS:
For control of microorganisms add 25-100ppm (0.21-0.84 pounds or 0.3-1.26 fluid ounces per 1000 gallons of water) of BIOSPERSE® 250 microbiode to the system. The amount of antimicrobial required will depend on the nature and extent of contamination, quality of the makeup water and the degree of control required.

INTERMITTENT OR SLUG METHOD:
Initial Dose: When the system is not visibly fouled, apply 50-100ppm (0.42-0.84 pounds or 0.3-1.26 fluid ounces per 1000 gallons of water) of BIOSPERSE® 250 microbiode to the system. Repeat periodically until control is achieved. Body fouled systems must be cleaned before treatment is begun.

Subsequent Dose: When microbial control is evident, add 25-50ppm (0.21-0.42 pounds or 0.3-1.63 fluid ounces per 1000 gallons of water) of BIOSPERSE® 250 microbiode to the system weekly as needed to maintain control.

PASTEURIZERS:
Dosages for industrial recirculating cooling water systems associated with pasteurizers will vary depending on the condition of the pasteurizer when treatment began and the retention time in the system.

In general, BIOSPERSE® 250 microbiode should be slug fed at dosages of 0.21 to 0.84 pounds (0.3 to 1.26 fluid ounces per each 1000 gallons of water) in the system. For pasteurizers, BIOSPERSE® 250 microbiode should be added into the pre-cool reservoir or any other convenient point in the system which will allow for good distribution.

ENHANCED OIL RECOVERY
Initial Dose: Apply 50-100ppm (17.45-34.90 pounds or 0.23-0.46 gallons per each 1000 barrels of water) of BIOSPERSE® 250 microbiode one to four times per week as needed to achieve control.

Maintenance Dose: When microbial control is evident, add 10-80ppm (3.47-27.95 pounds or 0.40-3.20 gallons per each 1000 barrels of water) of BIOSPERSE® 250 microbiode one to four times per week as needed to maintain control.

Additives of BIOSPERSE® 250 microbiode may be made at the free water knockout, before or after the injection pumps and injection well headers or at any point from which uniform mixing throughout the system can be achieved.

METAL WORKING FLUIDS:
To maintain an uncontaminated system, a minimum dosage level of approximately 225ppm (1.93 pounds or 29 fluid ounces per 1000 gallons of water) of BIOSPERSE® 250 microbiode every four weeks would be appropriate. Every eight to twelve weeks, 290-1200ppm (2.07-3.94 pounds or 31-148 fluid ounces per 1000 gallons of water) of BIOSPERSE® 250 microbiode would be appropriate. For a noticeably fouled system, an initial treatment at a dosage range of 500-1160ppm (4.14-6.63 pounds or 18-42 fluid ounces per 1000 gallons of water in the system) would be suitable followed by maintenance dosages. Higher dosages and more frequent treatments may be needed depending on the rate of dilution of the preservative in the makeup fluid, the nature and severity of contamination, the level of control required, the effectiveness of filtration and the system design.

IMPORTANT NOTICE: Seller warrants that the product conforms to its chemical description and is responsible for the penalties assessed on the label under normal conditions of use. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL OR IMPLIED. THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN OTHER RESPECTS THAN AS EXPRESSLY SET FORTH HEREIN, ARE EXPRESSLY EXCLUDED AND DISCLAIMED.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.