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BIOSPERSE® 290

MICROBIOCIDES

FOR INDUSTRIAL USE ONLY

This product is active against bacteria, fungi, algae and slime in industrial recirculating cooling water systems including cooling towers, air washers and evaporative condensers.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Refer to the Product Data Sheet for BIOSPERSE® 290 microbiocide for use directions and other technical information.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Containers should be stored at room temperature in a dry, well ventilated area. Store away from flammable materials, sources of heat and flame, and foodstuffs. Exercise due caution to prevent damage to or leakage from the container. Avoid storage at temperatures above 156°F.

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

Triple rinse (or equivalent) all containers then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers may also be disposed of by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Manufactured in the United States
ES-531-R-12/84

ACTIVE INGREDIENT:

Bis (trichloromethyl) sulfone 20.0%
INERT INGREDIENTS* 80.0%

* Includes solubilizing and dispersing agents.

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Promptly drink a large quantity of milk, beaten egg whites or gelatin solution. If these are not available, drink large quantities of water. Call a physician at once. Never give an unconscious person anything by mouth.

If on skin: Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

If in eyes: Flush with plenty of water for at least 15 minutes. Call a physician.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

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Drew Industrial Division

ANALOG CHEMICAL COMPANY, DIV. OF DREW INDUSTRIES, INC.
One Drew Plaza, Boonton, New Jersey 07005
Phone (201) 263-7600/Telex 136444

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS
AND DOMESTIC ANIMALS

DANGER

CORROSIVE - CAUSES EYE DAMAGE
CAUSES SKIN IRRITATION
HARMFUL IF SWALLOWED
COMBUSTIBLE

Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Avoid breathing vapors. Keep containers closed. Use with adequate ventilation. Wash thoroughly after handling. See statement of practical treatment on front panel.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge treated effluent into lakes, streams, ponds or public waters unless in accordance with an NPDES permit. For guidance contact your Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

NET CONTENTS MARKED ON DRUM

IMPORTANT NOTICE: See all warnings on the product container for full chemical description and instructions for use. The above is a summary of the label for informational purposes only. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN 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.

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DESCRIPTION AND USE

BIOSPERSE® 290 microbiocide is a broad-spectrum antimicrobial agent active against bacteria, fungi and algae. It is used effectively for slime control in industrial recirculating cooling water systems including cooling towers, air washers and evaporative condensers.

In addition to the organosulfur compound, BIOSPERSE® 290 contains dispersing agents which provide rapid distribution of the material throughout the water system and efficient diffusion into the slime masses.

BIOSPERSE® 290 is not recommended for potable water systems or where contamination of potable water can occur.

TYPICAL PROPERTIES

- Composition: A synergistic blend of Bis (trichloromethyl) Sulfone and dispersing agents
- Appearance: Clear yellow to amber liquid
- Flash Point: 170°F/77°C min. (PMCC)
- Odor: Aromatic
- Solubility: Emulsifiable
- Weight per US gallon: 8.60 pounds
- Storage: Avoid extreme heat or freezing
- Packaging: 55-gallon lined steel drum

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Under the Federal Insecticide, Fungicide and Rodenticide Act, this product is registered under EPA Reg. No. 1757-68

DOSAGE

The dosage of BIOSPERSE® 290 required for any specific application will depend upon a number of factors including: the nature and extent of the microbiological contamination, the type and volume of the system being treated, the degree of control desired and retention time in the system. Where necessary, a Drew representative will arrange for microbiological and chemical analysis, so that technical advice can be given concerning specific site problems.

All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, express warranty or implied warranty of merchantability or fitness for a particular purpose or representation, express or implied, for which seller assumes legal responsibility and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.

COOLING TOWERS AND EVAPORATIVE CONDENSERS

Dosages for industrial recirculating water cooling towers or evaporative condensers will depend upon the condition of the system prior to the initiation of treatment. Heavily contaminated systems should be cleaned prior to treatment. Apply BIOSPERSE® 290 to the cleaned system or when growth is first noticed according to the following schedule:

Initial Dose: When the system is noticeably fouled, add 6.1 to 12.2 fluid ounces (50-100 ppm) of BIOSPERSE® 290 per each 1000 gallons of water in the system. Repeat periodically until control is achieved.

Subsequent Dose: When microbial control is evident, add 1.2 to 6.1 fluid ounces (10-50 ppm) of BIOSPERSE® 290 per each 1000 gallons of water in the system every three days or as needed to maintain control.

AIR WASHERS

In treating air washer systems, preclean by introducing a suitable detergent solution into the system and allow air washer to run with fan off for two hours. Flush. Check all nozzles and manually clean those that are plugged. Add BIOSPERSE® 290 as specified under dosages for Cooling Towers.

FEEDING

BIOSPERSE® 290 may be fed directly from the shipping container or diluted with water and fed by any suitable feed system. BIOSPERSE® 290 should be dosed directly into the sump or basin or any other location where good distribution can be assured.

The following materials are acceptable for feeding BIOSPERSE® 290: Teflon, polypropylene, polyethylene.

BIOSPERSE is a registered trademark of Drew Chemical Corporation.

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