

BIOSPERSE® 4015

WATER TREATMENT MICROBIOCIDAL
FOR INDUSTRIAL USE ONLY

REGISTERED
MAR 3 1982
EPA REGISTRATION DIVISION

This product provides excellent control over bacterial and fungal slime formation in cooling towers and similar recirculating cooling water systems.

DIRECTIONS FOR USE

GENERAL CLASSIFICATION

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

Refer to the Biosperse® 4015 Product Data Sheet for use directions and other technical information.

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. If plastic, do not reuse empty container.

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. Triple rinse (or equivalent) all containers and for metal containers, offer for recycling or reconditioning (for plastic containers dispose of in an incinerator), or dispose in a landfill approved for pesticide containers or bury in a safe place. Consult federal, state or local disposal authorities for approved alternative procedures.



Drew Chemical Corporation
One Drew Chemical Plaza, Bonton, New Jersey 07005
ES 708-2/82 P/A
Manufactured in the United States.

ACTIVE INGREDIENTS	
1, 1, 1 Trichloroethane	3.00%
Dehydrodiethylamine Ethylene Oxide Condensate	3.50%
n-Alkyl (40% C ₁₂ , 50% C ₁₄ , 10% C ₁₆) Dimethyl Benzyl Ammonium Chlorides	2.60%
Dehydrodiethylamine Acetate	2.50%
n-Alkyl (60% C ₁₂ , 30% C ₁₄ , 5% C ₁₆ , 5% C ₁₈) Dimethyl Benzyl Ammonium Chlorides	2.10%
Bis (Tributyltin) Oxide	0.95%
Dialkyl (60% C ₁₂ , 30% C ₁₄ , 5% C ₁₆ , 5% C ₁₈) Methyl Benzyl Ammonium Chlorides	0.40%
INERT INGREDIENTS	84.95%

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, immediately flush contacted area with copious quantities of water for at least 15 minutes. Remove and wash contaminated clothing.

If in eyes, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS
AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes eye and skin damage. Harmful if swallowed or absorbed through skin. Do not get in eyes or skin or clothing. Keep container closed when not in use.

Wear goggles or face shield and rubber gloves when handling. Wash thoroughly after handling. See statement of practical treatment on front panel.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply in marine and/or estuarine or fields. 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.

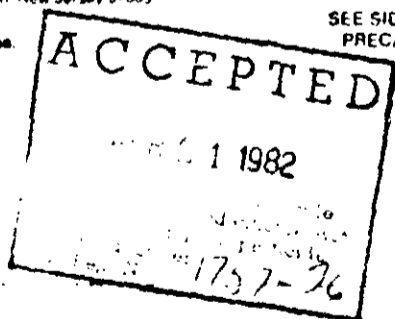
PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

IMPORTANT NOTICE: Seller warrants that the product conforms to the chemical description and is intended for the purposes stated on the label under normal conditions of use. 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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EPA Est. No. 1757-NJ-1
1757-NJ-2
1757-TX-1

NET CONTENTS—AS MARKED ON DRUM



Product Data

BIOSPERSE® 4015

MICROBIOCIDAL

GENERAL

BIOSPERSE® 4015 provides excellent control of the broad spectrum of microorganisms commonly found in industrial process waters. It is a potent slimeicide designed for the control of bacteria, fungi and algae in recirculating cooling water systems. The product contains solubilizing and dispersing agents which insure good distribution throughout the system and efficient penetration of the slime masses.

BIOSPERSE® 4015 is not to be used in potable water systems or where contamination of potable water may occur.

DESCRIPTION

Composition:	A blend of an organotin compound, specially selected quaternary ammonium salts, other complex amine salts and dispersing and solubilizing agents.
Appearance:	Clear, yellow liquid
Odor:	Mild
Flash Point:	97°F PMCC
Freezing Point:	31°F
pH:	7.2 (when drummed)
Specific Gravity:	1.000 at 25°C
Weight per U.S. Gallon:	8.34 pounds
Solubility:	Miscible with water in all proportions
Storage:	Avoid extreme heat or freezing
Packing:	35 gallon & 55 gallon steel drums

REGISTRATION DIVISION
MAR 16 1982
(TS-757)

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DOSAGE

The amount of BIOSPERSE® 4015 required for any given application will depend upon a number of factors including: the nature and extent of the microbiological contamination, the type of system being treated and the degree of control required.

APPLICATION

Dosages for cooling towers will also depend upon the condition of the tower when treatment is begun and the retention time in the system. For preventative maintenance, apply to a clean system or when growth is first noticed. Systems having heavy growths should be cleaned before initial treatment. In general, BIOSPERSE® 4015 is effective at dosages of 120-240 ppm of product. This is attained by using 1 - 2 pints of product per each 1000 gallons of water in the system. Treatment is usually done once, twice or three times per week or as required to prevent the growth of slime-forming microorganisms.

Once the bulk of slime has been eliminated, daily or every other day, slug dosages of 60 ppm (1/2 pint per 1,000 gallons) will usually maintain the system in excellent condition. Where necessary, your Drew Service Engineer will arrange for microbiological and chemical analyses and offer technical advice concerning specific site problems.

FEEDING

BIOSPERSE® 4015 may be fed directly from the drum or diluted with water and fed by any suitable chemical feed system. For slug feeding in cooling towers, it should be dumped directly into the sump or at any other convenient location where good distribution can be assured.

HANDLING

Corrosive. Causes eye and skin damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or clothing. Keep container closed when not in use. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly after handling. See statement of practical treatment on label.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. 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.

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