

212

EPA-PR
1-10-86

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, on skin or on 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 store near heat or open flame.

NET WEIGHT MARKED ON D IUM

IMPORTANT NOTICE: Seller warrants that the product conforms to the chemical description and reasonably fit 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 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.



ACCEPTED

APR 14 1986

1757-43

Corrosive Liquid N.O.S.
UN 1760

1/5 1757-43 P. 21

BIOSPERSE[®]

MICROBIOCIDE FOR INDUSTRIAL USE ONLY

This product provides excellent control over bacterial and fungal slime formation in cooling towers and similar recirculating cooling water systems. The product also provides effective microbiocidal control in oil field water systems and in industrial recirculating water systems such as pasteurizers.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Refer to the BIOSPERSE[®] 212 microbiocide Product Data Sheet for use directions and other technical information.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Avoid extreme heat or freezing. Keep container closed.

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.



Drew Industrial Division

ASHLAND CHEMICAL COMPANY DIV. ASHLAND OIL INC.
One Drew Plaza, Boonton, New Jersey 07005
Phone (201) 263-7600/Telex 136444

Manufactured in the United States

ACTIVE INGREDIENTS:

Dehydroabietylamine-Ethylene Oxide	
Condensate	7.00%
n-Alkyl (40% C ₁₂ , 50% C ₁₄ , 10% C ₁₆)	
Dimethyl Benzyl Ammonium Chlorides	5.20%
Dehydroabietylamine Acetate	5.00%
n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
Dimethyl Benzyl Ammonium Chlorides	4.20%
n-Dialkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
Methyl Benzyl Ammonium Chlorides	0.80%
INERT INGREDIENTS	77.80%

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

EPA Reg. No. 1757-43
EPA Est. No. 1757-NJ-1
1757-NJ-2
1757-TX-1

12-14-1986

1757-43

GENERAL

BIOSPERSE® 212 microbiocide provides excellent control of the broad spectrum of microorganisms commonly found in industrial water. It is a potent slimicide designed for the control of bacterial and fungal growths 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 212 is an effective microbiocide for controlling growth of slime-forming bacteria and fungi in industrial recirculating water systems, such as pasteurizers.

BIOSPERSE 212 is an effective microbiocide for controlling slime-forming bacteria, sulfate-reducing bacteria and fungi in oil field injection water and other oil field water systems.

BIOSPERSE 212 is not to be used in potable water systems or where contamination of potable water may occur.

TYPICAL PROPERTIES

Composition:

A blend of specially selected quaternary ammonium salts, other complex amine salts and dispersing and solubilizing agents

Appearance:

Clear, light straw colored liquid

Odor:

Mild

Flash Point:

160°F (PMCC)

Freezing Point:

25°F/-39°C

pH:

6.5/Neat

Specific Gravity:

1.003 at 25°C

Weight per U.S. Gallon:

8.38 pounds

Solubility:

Miscible with water in all proportions

Storage:

Avoid extreme heat or freezing

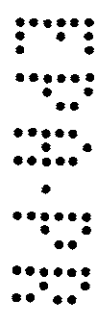
Packaging:

55 gallon steel drums

ACCEPTED

APR 14 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide under Reg. No. 1757-43.



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 warranty, and any such use is free of patent infringement and are not recommendations to infringe on any patent.

©1984 Drew Chemical Corporation. All Rights Reserved. Printed in U.S.A.

4/5

DOSAGE

The amount of BIOSPERSE® 212 microbiocide 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. Where necessary, your Drew representative will arrange for microbiological and chemical analyses and offer technical advice concerning specific site problems.

APPLICATION

Cooling Water Systems

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 212 is effective at dosages of 60-120 ppm of product. This is attained by using one half to one pint of product per each 1,000 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 30 ppm (1/4 pint per 1,000 gallons) will usually maintain the system in excellent condition.

Enhanced Oil Recovery

Initial Dose: Apply 3.33 to 4.99 gallons of BIOSPERSE 212 (80-120 ppm) per 1,000 barrels of water.

Maintenance Dose: When microbial control is evident, add 0.42 to 3.33 gallons of BIOSPERSE 212 (10-80 ppm) per 1,000 barrels of water to maintain good control.

Pasteurizers

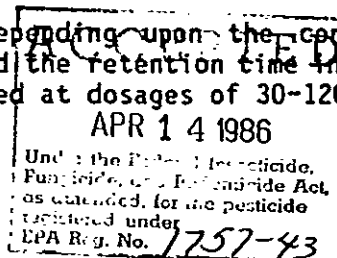
Dosages for pasteurizers will vary depending upon the condition of the pasteurizer when treatment is begun and the retention time in the system. In general, BIOSPERSE 212 should be slug fed at dosages of 30-120 ppm (1/4 to 1 pint per 1,000 gallons) as needed.

FEEDING

BIOSPERSE 212 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. For pasteurizers, product should be added into the pre-cool reservoir or any other convenient point in the system which will allow good distribution.

EPA Reg. No. 1757-43-AA

BIOSPERSE is a registered trademark of Drew Chemical Corporation.



5/5

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.

EPA Reg. No. 1757-43-AA

BIOSPERSE is a registered trademark of Drew Chemical Corporation.

