

Biosperse 205 Microbiocide

INDUSTRIAL MICROBICIDE

ACTIVE INGREDIENTS:

Methylene bis(thiocyanate)	2.5%
2-(Thiocyanomethylthio)benzothiazole	2.5%
INERT INGREDIENTS	95.0%

This product weighs 7.99 pounds per gallon.

**KEEP OUT OF REACH OF CHILDREN
DANGER**

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, causes irreversible eye damage and causes skin damage. Harmful or fatal if swallowed or absorbed through the skin. This product is a potential skin sensitizer. Workmen handling this product or treated material should wear impervious gloves, goggles or face shield, and protective clothing. All protective clothing, work shoes or boots, and equipment must be left at the work site at the end of the day. Eating, drinking, or smoking during use of this product is prohibited.

FIRST AID: In case of skin contact, wash promptly and thoroughly with soap and water and finally with glycerin. If product gets in the eyes, flush immediately with copious amounts of clean, cool water for 15 to 30 minutes. Get medical attention immediately. If product is swallowed, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not apply directly to water or wetlands. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

PHYSICAL AND CHEMICAL HAZARDS: Do not expose to extreme temperatures

STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Do not expose to extreme temperatures. Do not stack more than five drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

PESTICIDE 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 your EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

COOLING TOWERS: Biosperse 205 Microbiocide is used to protect cooling tower wood against soft or surface rot and internal or dry rot. It is applied by spraying or painting a dispersion containing 2.0 to 2.8% Biosperse 205 Microbiocide in water onto the clean wood surfaces. The amount applied should provide 2.4 to 3.2 lb Biosperse 205 Microbiocide per 1000 ft² of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of Biosperse 205 Microbiocide to the recirculating cooling water at the tower basin or cold well. The dosage should provide 50 lb of Biosperse 205 Microbiocide per 1000 gal of water and the bleedoff should be stopped for 4 to 6 hr after treatment. The shock treatment should be repeated every four months.

COOLING WATER: Biosperse 205 Microbiocide is used to control algae, bacteria, and fungi in industrial recirculating cooling water systems. Before treatment is begun, the system should be cleaned thoroughly to remove old algal growth, microbiological slime, and other deposits. The system should then be drained, flushed, refilled with water, and treated with an initial dose of 2.4 to 14.8 fl oz Biosperse 205 Microbiocide per 1000 gal water in the system. Subsequent additions of 0.8 to 4.8 fl oz per 1000 gal should be made every 1 to 5 days, depending on amount of bleedoff and severity of microbiological fouling.

DRILLING FLUIDS: To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, Biosperse 205 Microbiocide is incorporated in the drilling fluid at concentrations of 0.2 to 1.0% based on the total wet weight of the fluid.

PETROLEUM SECONDARY RECOVERY: Biosperse 205 Microbiocide is used to control sulfate-reducing bacteria, slime-forming bacteria and fungi in oil-field water, polymer, or micellar floods, water-disposal systems, and other oil-field water systems at dosage rates of 15.6 to 52.0 fl oz of Biosperse 205 Microbiocide per 1000 gal of water treated. Additions should be made continuously or intermittently by means of a metering pump at the free water knockouts, before or after injection pumps and injection well headers. **Continuous Feed Method:** When system is noticeably fouled, add 15.6 to 52.0 fl oz Biosperse 205 Microbiocide per 1000 gal of water continuously until desired degree of control is achieved. Then treat with 15.6 to 52.0 fl oz Biosperse 205 Microbiocide per 1000 gal of water continuously, or as needed to maintain control. **Intermittent or Slug Method:** When system is noticeably fouled, or to maintain control, add 15.6 to 52.0 fl oz Biosperse 205 Microbiocide per 1000 gal of water for 4 to 8 hr per day and 1 to 4 times per week, or as needed to maintain control.

CRUDE AND REFINED OILS: Biosperse 205 Microbiocide is an oil-soluble preservative for the control of bacteria and fungi that cause the degradation of crude oil and refined fuel oils during storage. It should be added to the oil as it is being transferred from the shipping container to the storage tank at the rate of 2.4 to 24.0 fl oz Biosperse 205 Microbiocide per 1000 gal of oil. Addition should be made batchwise where mixing occurs or continuously to the suction side of the transfer pump.

Manufactured by
Drew Industrial Division
One Drew Plaza
Boonton, NJ 07005

EPA REG. NO. 1757-85

EPA EST. NO.

NET CONTENTS

U.S. Environmental Protection Agency
Washington, D.C. 20460

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 indorsement 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.

- When a label is conditionally registered in accordance with FIFRA section 4(d)(1), it is implied that you:
1. Will provide all data required for a pesticide label that you are required to provide under FIFRA section 3(d)(5) when the product is registered or reregistered, or to submit such data.
 2. Affix to the label "EPA Registration No. 1757- []" to your label when you release the product for shipment.
 3. Submit (5) copies of your final printed label and before you release the product for shipment. Refer to the A-14 brochure for a complete description of the required labeling.
- If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.
- A statement for the label is enclosed for your records.

John R. [Signature]
 John R. [Name]
 Product Manager (21)
 Antimicrobial Division Branch
 Registration Division (075050)

BEST AVAILABLE COPY

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 27 1989

BIOSPERSE 205 MICROBIOCIDE

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.

INDUSTRIAL MICROBICIDE 1757-30

ACTIVE INGREDIENTS

Methylene bis(thiocyanate)	25%
2-Thiocyanomethylthiothiazole	75%
INERT INGREDIENTS	95.0%

This product weighs 7.99 pounds per gallon

**KEEP OUT OF REACH OF CHILDREN
DANGER**

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, causes irreversible eye damage and causes skin damage. Harmful or fatal if swallowed or absorbed through the skin. This product is a potential skin sensitizer. Workmen handling this product or treated material should wear impervious gloves, goggles or face shield, and protective clothing. All protective clothing, work shoes or boots, and equipment must be left at the work site at the end of the day. Eating, drinking, or smoking during use of this product is prohibited.

FIRST AID: In case of skin contact, wash promptly and thoroughly with soap and water and finally with glycerin. If product gets in the eyes, flush immediately with copious amounts of clean, cool water for 15 to 30 minutes. Get medical attention immediately. If product is swallowed, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not apply directly to water or wetlands. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

PHYSICAL AND CHEMICAL HAZARDS: Do not expose to extreme temperatures.

STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Do not expose to extreme temperatures. Do not stack more than five drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinseate 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 your EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **BIOSPERSE 205 MICROBIOCIDE**

COOLING TOWERS: **BIOSPERSE 205 MICROBIOCIDE** is used to control wood against soft or surface rot and internal or dry rot. It is applied to wood containing 2.0 to 2.8% **BIOSPERSE 205 MICROBIOCIDE** flakes. The amount applied should provide 2.4 to 3.2 lb **BIOSPERSE 205 MICROBIOCIDE** per 1000 sq ft of wood surface. Soft or surface rot can also be controlled with **BIOSPERSE 205 MICROBIOCIDE** in the recirculating water. The dosage should provide 5.0 lb of **BIOSPERSE 205 MICROBIOCIDE** per 1000 gal of water and the bleedoff should be stopped for 4 to 6 hr after treatment. Repeat every four months.

COOLING WATER: **BIOSPERSE 205 MICROBIOCIDE** is used to control acid fungi in industrial recirculating cooling water systems. The system should be cleaned thoroughly to remove old algal growth, microorganisms, and debris. The system should then be drained, flushed with water, and refilled with **BIOSPERSE 205 MICROBIOCIDE**. For 1000 gal of water, add 0.8 to 4.0 fl oz of **BIOSPERSE 205 MICROBIOCIDE** per 1000 gal of water. The severity of microbiological fouling.

DRAINING FLUIDS: To inhibit bacterial and fungal decay of drilling fluids, **BIOSPERSE 205 MICROBIOCIDE** is used. Concentrations of 0.2 to 1.0% based on the total wet weight of the drilling fluid. **BIOSPERSE 205 MICROBIOCIDE** is used for control sulfate reducing bacteria, slime-forming bacteria, and other oil field water problems. For 1000 gal of water, add 0.8 to 4.0 fl oz of **BIOSPERSE 205 MICROBIOCIDE** per 1000 gal of water. **BIOSPERSE 205 MICROBIOCIDE** is used for control of bacteria and fungi that cause the decay of storage tanks. It should be added to the oil as it is being transferred to the storage tank at the rate of 2.4 to 24.0 fl oz of **BIOSPERSE 205 MICROBIOCIDE** per 1000 gal of oil. Addition should be made batchwise where mixing occurs or by transfer pump.

PETROLEUM SECONDARY RECOVERY: **BIOSPERSE 205 MICROBIOCIDE** is used for control sulfate reducing bacteria, slime-forming bacteria, and other oil field water problems. For 1000 gal of water, add 0.8 to 4.0 fl oz of **BIOSPERSE 205 MICROBIOCIDE** per 1000 gal of water. **BIOSPERSE 205 MICROBIOCIDE** is used for control of bacteria and fungi that cause the decay of storage tanks. It should be added to the oil as it is being transferred to the storage tank at the rate of 2.4 to 24.0 fl oz of **BIOSPERSE 205 MICROBIOCIDE** per 1000 gal of oil. Addition should be made batchwise where mixing occurs or by transfer pump.

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Manufactured by:
DREW INDUSTRIAL DIVISION
ONE DREW PLAZA
BOONTON, NJ 07005

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