

B-Cap™ 50 Antimicrobial Agent

EPA Registration No. 65402-5
 EPA Est. No. 65402-WV-001
 65402-TX-001
 65402-IL-001

B-Cap™ 50 Antimicrobial Agent is for biofouling and slime control in:

- Pulp and paper mill systems
- Recirculating and once through cooling water systems
- Pasteurizer cooling water systems
- Process waters

For Industrial Use Only

Active Ingredient: Hydrogen Peroxide50%
 Inert Ingredient:50%

**KEEP OUT OF REACH OF CHILDREN
 DANGER**

See side panel for additional precautionary statements

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FMC

**FMC Corporation
 Hydrogen Peroxide Division
 1735 Market Street
 Philadelphia Pennsylvania 19103**

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

Corrosive, causes eye and skin damage. Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Do not breathe vapor or spray mist. Do not enter an enclosed area without proper respiratory protection.

Physical or Chemical Hazards

Strong oxidizing agent. Mix only with water. B-Cap™ 50 antimicrobial agent is not combustible; however, at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen released could initiate or promote combustion of other materials.

Environmental Hazards

This pesticide is toxic to birds, mammals, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, 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 plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Any solution released from the system should be diluted with water and tested for residuals to ensure that there is less than 3 ppm peroxxygen remaining.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If in eyes:

- Hold eyes open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after first 5 minutes, then continue to rinse eye.
- Call poison control center or doctor for treatment advice.

If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call 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 by mouth to mouth if possible.
- Call poison control center or doctor for advice.

If swallowed:

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

Note to Physicians:

- Probable mucosal damage may contraindicate the use of gastric lavage.

Storage and Disposal

Storage

NEVER RETURN B-CAP™ 50 ANTIMICROBIAL AGENT TO THE ORIGINAL CONTAINER AFTER IT HAS BEEN REMOVED. Avoid all contaminants, especially dirt, caustic, reducing agents, and metals. Contamination and impurities will reduce shelf life and can induce decomposition. In case of a decomposition, isolate container, douse container with cool water and dilute B-Cap™ antimicrobial agent with large volumes of water.

Avoid damage to containers. Keep container closed at all times when not in use. Keep container out of direct sunlight. To maintain product quality, store at temperatures below 86°F. Do not store on wooden pallets.

Procedure for Leak or Spill

Stop leak if this can be done without risk. Shut off ignition sources; no flames, smoking, flares, or spark producing tools. Keep combustible and organic materials away. Flush spilled material with large quantities of water. Undiluted material should not enter confined spaces.

Disposal

Pesticide Disposal

If material has been spilled, an acceptable method of disposal is to dilute with at least 20 volumes of water followed by discharge into suitable treatment system in accordance with all local, state, and Federal environmental laws, rules, regulations, standards, and other requirements. Because acceptable methods of disposal may vary by location, regulatory agencies should be contacted prior to disposal.

B-Cap 50 antimicrobial agent which is to be discarded should be diluted with a large amount of water and discharged into a suitable treatment system in accordance with local, State and Federal regulations.

Container Disposal

Empty drums are not returnable to FMC unless special arrangements have been made. Triple rinse drums with water. Dispose of drums in accordance with local, state, and Federal regulations. Do not reuse.

Net Contents

Gallons

Pounds

Directions for Use

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

B-Cap 50 antimicrobial agent

A microbiocide for use in controlling slime and sulfate forming bacteria in air washing systems, recirculating and once through water cooling towers and systems, including pasteurizer cooling water systems and industrial closed recirculating process water systems.

Air Washers and Recirculating and Once Through Cooling Water Systems

1. Severely fouled systems should be cleaned prior to treatment.
2. This product may be used in all types of cooling water systems that have mist-eliminating components. B-Cap 50 antimicrobial agent should be added at a point where uniform mixing can be achieved, for example the basin area. Addition may be intermittent or continuous. Hydrogen peroxide should not be mixed with other chemicals or additives without first checking for compatibility. Contamination with other chemicals could cause product decomposition.
 - Intermittent (Slug Dose) — When the system is heavily fouled, add 2.1 to 108 FL oz. of B-Cap 50 antimicrobial agent per 100 gallons of water in the system, (10 to 500 ppm). Repeat until control is achieved. When control is evident add 1.0 to 2.1 FL oz of B-Cap 50 antimicrobial agent per 1000 gallons of water in system (5.0 to 100 ppm H₂O) as needed to maintain control.
 - Continuous Feed — Initial Dose: If the system is noticeably fouled use slug dose procedure. Once control is achieved, continuous feed of 0.2 to 11 FL oz. B-Cap 50 antimicrobial agent per 1000 gallons of water per day in the system, (1-50 ppm H₂O). Dosage rates should be increased or decreased depending on the control achieved.

Pasteurizer Cooling Water Systems

B-Cap 50 antimicrobial agent may be used at the same application rates and in the same manner as described above. The solution should be added to the closed recirculating system at a point where uniform mixing can be achieved, e.g., basin, sump or collection areas.

Biofouling Control in Pulp and Paper Mill Systems

For use in the manufacture of paper and paperboard intended for food and non-food contact only. Not for use in manufacture of paper and paper board for food contact.

B-Cap 50 antimicrobial agent can be used to control bacterial, fungal and yeast growth in pulp, paper and paperboard mills.

1. Severely fouled systems should be cleaned prior to treatment with B-Cap 50 antimicrobial agent. Add B-Cap 50 antimicrobial agent directly to the system, don't mix with other chemicals or additives without first testing for compatibility. Contamination with other chemicals could result in product decomposition.
2. Add the B-Cap 50 antimicrobial agent at a point in the system where it can be mixed uniformly with the pulp, e.g., the beat-er, hydropulper, fan pump, broke pump, etc.
3. Apply 1-40 FL oz. of B-Cap 50 antimicrobial agent per ton of (dry basis) pulp or paper produced, (20-775 ppm H₂O). Addition may be continuous or intermittent depending on the type of system and severity of the biofouling.

Process Waters

B-Cap 50 antimicrobial agent may be used to aid in minimizing slime formation in process waters intended for use in pre-cleaning hard, non-porous surfaces, e.g., metals, glass or plastics prior to being painted, plated, or coated; cleaning pipes, equipment or other process equipment.

1. Add B-Cap 50 antimicrobial agent at a point in the system where it can be mixed uniformly. The quantity of product required will depend upon the severity of the fouling.
2. Apply 0.2 to 108 FL oz. per 1000 gallons of water in the system (1 to 500 PPM). Once control is achieved, reduce application rate accordingly.

Manufacturing Use

Use in Reformulation of Other Registered Products

B-Cap 50 antimicrobial agent may be used as a source of the active ingredient hydrogen peroxide in the formulation of sanitizer, disinfectant and antimicrobial/biocidal formulations/products registered under FIFRA. Formulators using this product for this purpose are responsible for FIFRA registration of their products and for compliance with other requirements of FIFRA. For technical support contact FMC's Hydrogen Peroxide Division.

In all applications always prepare a new solution daily to ensure effectiveness. Do not re-use solutions. Dispose of unused solution.

ACCEPTED

SEP 08 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 72372-2

Keep vent end
up, do not roll



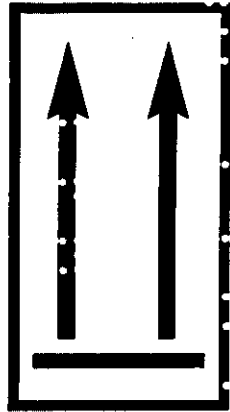
EMERGENCY TELEPHONE NUMBERS (24 HOURS)
MEDICAL: COLLECT 303-595-9048
TRANSPORTATION: 800-424-9300
OTHER: 609-924-6677

For more information see Material Safety Data Sheet
Label Effective Date: May 1997

ACCEPTED

SEP 08 2003

Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 72372-d



Proper Shipping Name:
Hydrogen peroxide, aqueous
solutions with more than
40 percent but not more
than 60 percent hydrogen
peroxide.

UN 2014

ACCEPTED

SEP 08 2003

Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 72,372-2