

1677-206

7/7/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



Office of Pesticide Programs

Ecolab, Inc.  
370 N. Wabasha Street  
St. Paul, MN 55102

JUL 07 2009

Attention: Rhonda Schulz  
Associate Director

Subject: A-245  
EPA Registration No. 1677-206  
Your Amendment Dated May 26, 2009

The amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

-Updated Product Labeling

General Comment

Submit two (2) copies of the final printed label for our review. A stamped copy of the "accepted" product label is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)

Enclosure

# A-245

## COMMERCIAL MICROBIOCIDES

A broad spectrum microbiocide for controlling slime-forming and sulfate-reducing bacteria, fungi, yeast, and algae. For use in sugar beet mills and process water systems; paper mills and associated process water systems; pigments and filler slurries for food and non-food contact paper and paperboard; non-food contact water based coatings for paper and paperboard; air washers and industrial scrubbing systems; recirculating cooling and process water systems; reverse osmosis membranes; heat transfer systems; service water and auxiliary systems; industrial wastewater systems including wastewater sludge and holding tanks; water-based conveyor lubricants; aqueous metalworking fluids; oil field applications including drilling muds, workover, fracturing, completion and packer fluids; gas production, transmission and storage; and preservation of food contact adhesives and mineral slurries used in papermaking.

<b>Active Ingredients:</b>	
Glutaraldehyde.....	45.0%
<b>Inert Ingredients:</b> .....	55.0%
<b>Total:</b> .....	100.0%

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
JUL - 7 2009

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 1677-206

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CORROSIVE:** Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled, swallowed or absorbed through the skin. May cause allergic skin reactions. Causes asthmatic signs and symptoms in hyper-reactive individuals. Do not get in eyes, on skin or on clothing. Avoid breathing vapors. Not to be used as an aerosol. Do not swallow. Wear eye goggles, rubber gloves and protective clothing including long-sleeved shirt, long pants, shoes, socks, chemical-resistant gloves and chemical-resistant apron. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### FIRST AID

**If In Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a 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 a poison control center or doctor for treatment advice.

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

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**FOR EMERGENCY MEDICAL INFORMATION CALL TOLL FREE: 1-800-328-0026**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

#### ENVIRONMENTAL HAZARDS (5 gallons or greater)

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. 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 Pollution 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.

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Instructions in Case of Spills or leaks: Wear goggles, rubber gloves, and protective clothing. Absorb spills and leaks with inert material such as sand, clay or vermiculite. Shovel into a sealable container and dispose of in an authorized EPA disposal facility.

In Case of Fire: Use water, carbon dioxide, dry chemical (eg. Sodium bicarbonate) extinguishing medias. Fire fighters should be equipped with self-contained breathing apparatus and turnout gear.

**DIRECTIONS FOR USE**

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

**GENERAL USE DIRECTIONS**

Add A-245 at a point of uniform mixing where the treated water will be circulated or mixed throughout the system. Badly fouled systems should be cleaned before treatment begins. A-245 can be applied either intermittently (slug dose) or by continuous feed where stated. Where appropriate, feed points should be below the water line to minimize vapor.

**AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS, RECIRCULATING COOLING AND PROCESS WATER SYSTEMS**

Use only in industrial air washer systems, which have mist-eliminating components. Badly fouled systems can be shock treated by using the highest recommended rate of A-245. Under these conditions, blowdown should be discontinued for up to 24 hours. Apply by intermittent or continuous feed methods. Add at a place such as the basin area.

Initial Dose: When the system is noticeably fouled, add 12.8-25.6 fl. oz. (111-222 ppm) of A-245 per 1,000 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 5.1-12.8 fl. oz. (44-111 ppm) of A-245 per 1,000 gal. of water in the system per day, or as needed to maintain control.

Not for use in industrial scrubbing systems in the State of California.

**REVERSE OSMOSIS MEMBRANES**

Use only where approved for compatibility by the membrane manufacturer. Immerse membrane in a tank containing 2,222 to 22,222 ppm A-245 for 6 to 24 hours. A-245 can also be added to in-line recirculating systems of installed out of service osmosis equipment. Add 222 to 2,222 ppm A-245 to the tank on the circulating system and maintain this concentration by periodic addition to counteract any system leakage. Flush the system through with clean water before returning to service.

Not for use in the State of California.

**HEAT TRANSFER SYSTEMS**

For use in Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, and Pasturizers and Warmers, and ~~Once Through Cooling Water Systems.~~

Initial Dose: When the system is noticeably fouled, add 12.8-25.6 fl. oz. (111-222 ppm) of A-245 per 1,000 gal. of water in the system.

Subsequent Dose: For maintenance, use a continuous feed of 5.1-12.8 fl. oz. (44-111 ppm) of A-245 per 1,000 gal. of water in the system per day.

~~Not for use in Dairy Sweetwater Systems and Once Through Cooling Water Systems in the State of California.~~

**SERVICE WATER AND AUXILLARY SYSTEMS**

Use in systems such as fire water reserves, spray paint booths, and emergency cooling water systems. Add 12.8-25.6 fl. oz. (111-222 ppm) of A-245 per 1,000 gal. of water in the system. Reapply as necessary to maintain this concentration.

ACCEPTED

with COMMENTS  
EPA Letter Dated:

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1677-206

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Not for use in the State of California.

**INDUSTRIAL WASTEWATER SYSTEMS**

For use in aerobic and anaerobic, belt pressed, digested and undigested sludges; and holding tanks. Add 0.56 to 2.56 gal. (500 to 2,500 ppm) of A-245 per 1,000 gal. of wastewater or sludge.

Not for use in the State of California.

**SUGAR BEET MILLS AND PROCESS WATER SYSTEMS**

Apply by intermittent or continuous feed methods. Repeat intermittent dose until control is achieved. The total should not exceed 118 gal. per 1,000 tons of beets sliced per day.

Initial Dose: When the system is noticeably contaminated, add 6.1 to 15.1 fl. oz. (222 to 555 ppm) of A-245 per ton of sliced beets.

Subsequent Dose: When microbial control is evident, add 0.89 to 9.1 fl. oz. (33 to 333 ppm) of A-245 per ton of sliced beets to the system as necessary to maintain control.

Not for use in the State of California.

**PAPER MILLS AND ASSOCIATED PROCESS WATER SYSTEMS**

Apply by intermittent or continuous feed methods.

Initial Dose: When the water is noticeably contaminated, add 0.56-3.3 lbs per ton of pulp on paper (dry basis). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident add 0.33-2.2 lbs per ton to pulp on paper (dry basis) as necessary to maintain control.

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

JUL - 7 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act as a pesticide, registered under EPA Reg. No. 1627-206

**PIGMENTS AND FILLER SLURRIES FOR FOOD AND NON-FOOD CONTACT PAPER AND PAPERBOARD**

To inhibit the growth of spoilage microorganisms during manufacture, storage and distribution of pigments and filler slurries such as kaolin, calcium carbonate and titanium dioxide. Add A-245 to produce a concentration of 111-667 ppm by weight of the formulation slurry (1.1-6.7 lbs of product per 10,000 lbs. of slurry). Apply once during manufacture.

Not for use in pigment and filler slurries for non-food contact paper and paperboard in the State of California.

**WATER BASED COATINGS FOR NON-FOOD CONTACT PAPER AND PAPERBOARD**

To inhibit the growth of spoilage microorganisms during manufacture, storage, and distribution of water-based coatings for use on non-food-contact paper and paperboard. Add A-245 at 111-667 ppm by weight of the formulation slurry (1.1-6.7 lbs of product per 10,000 lbs of slurry).

**OIL WELL WATER FLOODS**

Initial Dose: Add A-245 at 111-5,555 ppm of the water flood system (0.1-5.0 gal. A-245 per 1,000 gal. floodwater). Add A-245 intermittently until control is achieved.

Subsequent dose: Add 56 to 278 ppm of A-245 (0.056 to 0.28 gal. of A-245 to each 1,000 gal.) each week to maintain bacterial control.

**DRILLING MUDS, WORKOVER, FRACTURING AND COMPLETIONS FLUIDS**

Add 111 to 1,111 ppm A-245 (0.42 to 4.2 gal. A-245 per 100 barrels or 4,200 gal.), depending on the severity of the bacterial contamination. Add additional A-245 to maintain the proper concentration as the total volume of the system increases with the well depth. For workover fluids, circulate the system until the fluid returns clear. Shut the system down and idle for several hours. Remove the workover fluid. This well should be ready for productive use.

Not for use in fracturing and completion fluids in the State of California.

**PACKER FLUIDS**

Add A-245 at 56-667 ppm (0.23 to 2.87 gal. per 100 barrels of fluid) to a freshly prepared fluid, depending on the severity of contamination. Apply once before sealing the treated packer fluid in the wall between the casing and production tube.

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Not for use in the State of California.

**GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS**

Add A-245 to inhibit microbiological growth in gas production or transmission pipelines and systems supplying liquid and natural gas during commercial production. Inject A-245 directly into the transmission pipeline at the earliest available entry point. Add A-245 at a dose rate of 56 to 667 ppm of the water in the system. Injections to the system should be made on a weekly basis, or as needed to maintain control.

Not for use in the State of California.

**GAS STORAGE WELLS AND SYSTEMS**

Treat individual injection wells with A-245 at 555 to 5,555 ppm and maintain this concentration in the water present in the formation. Treatment of the well should take place during the summer before gas is injected. Dose individual drips to maintain a concentration of 222 to 2,222 ppm A-245. Treatment should be repeated yearly, or as needed to maintain control.

Not for use in the State of California.

**HYDROTESTING**

For use in pipelines, valve systems, boilers and vessels. Water used to hydrotest pipelines or vessels should contain 111 to 4,444 ppm (0.11 to 4.4 gal. per 1,000 gal. water) of A-245, depending on water quality, pH, environmental conditions and the length of time the equipment will remain idle. At neutral pH and below, treated water can remain in the system for more than 1 year.

Not for use in the State of California.

**PIPELINE PIGGING AND SCRAPPING OPERATION**

Add A-245 to the water immediately following the scraper. This water volume can be kept to a minimum and contained between the scraper and trailing pig. Add A-245 at 1,111 to 11,111 ppm (0.11 to 1.1 gal. A-245 per 100 gal. water), depending on the length of pipeline and the severity of biofouling.

Not for use in the State of California.

**WATER BASED CONVEYOR LUBRICANTS**

For use in brewery, juice, dairy, beverage, and food processing systems. Thoroughly clean tracks and conveyors, remove all gross contamination. Rinse well. Use a commercially available automatic feed system to provide 1.56 to 9.33 fluid ounces (111 to 667 ppm) of A-245 per 100 gal. of dilute lubricant.

Avoid contamination of food in application of this product.

Not for use in the State of California.

**GENERAL PRESERVATION**

Non-food contact:

For use by manufacturers for in-can preservation of aqueous industrial, institutional and consumer non-food contact products that require the control of bacteria and fungi; for example, mineral slurries used in paints and plastics, concrete admixtures, pigments, lattices, printing inks, paint, laundry detergents, and cleaning products. Add A-245 to the product formulation at a rate of 3.1 to 31.1 fluid ounces (222 to 2222 ppm) per 100 gal. of the water content of the product. Mix uniformly.

Food contact:

For use by manufacturers that require the control of bacteria or fungi in the preservation of food-contact adhesives and mineral slurries used in papermaking.

Not for use in the State of California.

**AQUEOUS METALWORKING FLUIDS**

A-245 should be added to a metalworking fluid system at a point of uniform mixing such as the fluid collection tank. Additions may be added intermittently at intervals of one week or less.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

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Initial Dose: When the system is noticeably fouled apply 0.22 to 0.67 gal. of A-245 per 1,000 gal. of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.09 to 0.44 gal. of A-245 per 1,000 gal. of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled systems should be cleaned before treatment begins.

Not for use in the State of California.

**CONDITIONS OF SALE**

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risk inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of the Seller. All such risks shall be assumed by the Buyer. The manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to above.

THE MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY: IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

The manufacturer offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative.

**STORAGE & DISPOSAL**

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

**Pesticide Storage:** A-245 solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic lined steel, stainless steel or reinforced epoxy equipment. This product freezes at approximately -20°C (-4°F). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage (1 month) temperatures up to 100°F can be tolerated; however, the preferred maximum storage temperature is approximately 80°F. Keep away from fire and open flames. A stainless steel centrifugal pump is suggested for transfer service.

**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 the nearest EPA Regional Office for guidance.

**Container Disposal:**

(≤ 55-gallon rigid) Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for recycling, if available, or discard in trash.

(Bladder in box) Remove empty bladder from outer corrugated box. Triple rinse bladder (or equivalent). Offer bladder and bladder for recycling or discard in trash.

(Totes) Verify that the tote is empty. Do not rinse or clean. Seal tote and contact Ecolab for return.

EPA Reg. No. 1677-206

EPA Est. 1677-MN-1 (P), 1677-CA-2(R), 1677-TX-1(D), 1677-OH-1(H), 1677-IL-1(J), 1677-GA-1(M), 1677-PR-1(B), 1677-CA-1(S), 1677-WV-1(V), 1677-IL-2 (J)

Superscript refers to first letter of date code

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
Ecolab Inc.  
370 Wabasha Street  
St. Paul, MN 55102-1390  
JUL - 7 2009

Net Contents:  
1 U.S. quart (946 ml)  
1 U.S. gallon (3.78 L)  
2.5 U.S. gallons (9.45 L)  
5 U.S. gallons (18.9 L)  
55 U.S. gallons (208.8 L)

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amended, for the pesticide,  
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