

**BEST AVAILABLE COPY**

**JUN 22 1984**

W. S. Engineering  
P. O. Box 349  
Ottawa, KS. 66067

Gentlemen:

\* **Subject: Microbiocide W-15**  
EPA Registration Number 40841-3 ✓  
Microbiocide W-60  
EPA Registration Number 40841-2  
Amendment applications of June 14, 1984

The labeling for the application referred to above, submitted in connection with your application for amended in connection with your application for amended registration under Section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (FIFRA), is acceptable since you have agreed that you will submit and/or cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

If the conditions of this amendment are not complied with, the registration will be subject to cancellation in accordance with Section 6(e) of the Act.

A stamped copy of the label is enclosed for your records.

Sincerely,



A. E. Castillo  
Product Manager #32  
Disinfectants Branch  
Registration Division (TS-767c)

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MICROBIOCIDAL W-15

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUN 22 1984

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
40841-3

**ACTIVE INGREDIENT:**

Poly(oxyethylene (dimethyliminio) ethylene-  
(dimethyliminio) ethylene dichloride) ..... 15.0 %

INERT INGREDIENT ..... 85.0 %

This product contains 1.29 lb. of active ingredient per gallon and weighs  
8.58 lb. per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.

**FIRST AID:** If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Keep out of lakes, streams, or ponds. 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.

**DIRECTIONS FOR USE  
GENERAL CLASSIFICATION**

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

MICROBIOCIDAL W-15 is used in swimming pools, exterior spas, whirlpools, hot tubs, and indoor effectiveness pools, spas, whirlpools, hot tubs, and heavy growth of algae should be cleaned prior to using MICROBIOCIDAL W-15.

For pools having just visible algae growth add an initial fluid ounces of MICROBIOCIDAL W-15 per 10,000 gallons of water. For treatment of a pool add initially 27 to 50 fluid ounces of MICROBIOCIDAL W-15 per 10,000 gallons of water. Subsequent additions of MICROBIOCIDAL W-15 per 10,000 gallons of water should be made every 5 to 7 days after initial treatment for maintenance.

Spas, whirlpools, hot tubs, and decorative fountains require an initial dose of 5 to 8 fluid ounces of MICROBIOCIDAL W-15 per 1000 gallons of water. For treatment of a freshly cleaned hot tub, or decorative fountain, add initially 3 fluid ounces of MICROBIOCIDAL W-15 per 1,000 gallons of water.

Subsequent additions of MICROBIOCIDAL W-15 should be made every 5 to 7 days after initial treatment for maintenance.

MICROBIOCIDAL W-15 is compatible with alkaline pH. MICROBIOCIDAL W-15 can be used to treat pools, spas, and decorative fountains and hot tubs treated with chlorine chemicals and other chemicals normally required. However, do not mix MICROBIOCIDAL W-15 with concentrated dry or liquid chlorine products.

**STORAGE AND DISPOSAL**

**STORAGE:** Keep container closed when not in use. Containers should be placed in a plastic bag and discarded with clear water. All pesticides should be kept out of reach of children and away from food.

**DISPOSAL:** Do not reuse empty container. Wrap empty container in plastic and discard.

Manufactured by:  
Water Systems Engineering, Inc.  
P. O. Box 349, Route #2  
Ottawa, KS 66067  
EPA REG. NO. 40841-3 EPA EST. NO. \_\_\_\_\_

**NET CONTENTS** \_\_\_\_\_

MICROBIOCID W-15

ACCEPTED  
COMMENTS  
Date: \_\_\_\_\_

JUN 22 1984

Use \_\_\_\_\_icide.  
Permitted for use as amended, the pesticide  
registered under EPA Reg. No.

40841-3

ACTIVE INGREDIENT:

Poly(methylene (dimethylamino) ethylene-  
(dimethylamino) ethylene dichloride) ..... 15.0 %

INERT INGREDIENT ..... 85.0 %

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PRECAUTIONARY STATEMENTS

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DIRECTIONS FOR USE  
GENERAL CLASSIFICATION

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

MICROBIOCID W-15 is used to control algae, bacteria, and fungi in recirculating commercial and industrial water cooling towers. Prior to its use, systems must be cleaned to remove algal growth, microbiological slime, and other deposits. An initial slug addition of 4.0 to 10.0 fluid ounces of MICROBIOCID W-15 per 1000 gallons of water to provide a concentration of 32 to 80 parts per million of MICROBIOCID W-15, based on the total weight of water in the system, is recommended. Repeat initial dosage until control is evident.

Subsequent slug additions of 1.0 to 10.0 fluid ounces of MICROBIOCID W-15 per 1000 gallons of water (8 to 80 parts per million of MICROBIOCID W-15) should be employed every 2 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

MICROBIOCID W-15 is used to control bacteria in industrial air-washing systems that maintain effective mist eliminating components. Prior to its use, systems should be cleaned to remove bacterial slime and other deposits. An initial slug dose of 14.8 to 24.7 fluid ounces of MICROBIOCID W-15 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 10.1 to 24.7 fluid ounces of MICROBIOCID W-15 per 1000 gallons of water should be employed each 1 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and severity of the bacterial problem. Slug additions may be made to the sump or to the water collection trays of the airwash system.

STORAGE AND DISPOSAL

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

STORAGE: Do not stack more than four drums high. 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: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

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

METAL (or equivalent): 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.

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