

# WEST C-112 MICROBIOCIDES

ACCEPTED  
43436-2  
MAR 6 1980  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTRATION  
ED UNDER NO.

## DIRECTIONS FOR USE GENERAL CLASSIFICATION

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

WEST C-112 is used to control algae, bacteria, and fungi in commercial and industrial water cooling towers. Prior to its use, towers must be cleaned to remove algal growth, microbiological slime deposits. An initial slug addition of 1.90 to 4.75 fluid ounces of WEST C-112 per 1000 gallons of water to provide a concentration of 16 to 40 million of WEST C-112, based on the total weight of water in the tower, is recommended. Repeat initial dosage until control is evident.

Subsequent slug additions of 0.47 to 4.75 fluid ounces of WEST C-112 per 1000 gallons of water (4 to 40 parts per million of WEST C-112) 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 biological problem. Slug additions should be made in the sump or to the water collection trays of the airwash cooling towers.

WEST C-112 is used to control bacteria in industrial air conditioning systems that maintain effective mist eliminating components. Prior to use, systems should be cleaned to remove bacterial slime deposits. An initial slug dose of 7.1 to 11.9 fluid ounces of WEST C-112 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 4.9 to 11.9 fluid ounces of WEST C-112 per 1000 gallons of water should be employed every 2 to 5 days, or as needed. The frequency of addition depends upon the amount of bleedoff and severity of the bacterial problem. Slug additions should be made to the sump or to the water collection trays of the airwash cooling towers.

**STORAGE & DISPOSAL:** Keep container closed when not in use. Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Do not reuse empty container. Triple rinse (or equivalent) and dispose of container in an incinerator or in a approved landfill, or bury in a safe place. Residue that cannot be reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Dumping is prohibited.

Manufactured by:

**WATER & ENERGY SYSTEMS TECHNOLOGY, INC.**

139 West Victoria Street  
Gardena, CA 90248

EPA REG. NO. 43436-2

EPA EST. NO.

NET WEIGHT 45 LBS.

### ACTIVE INGREDIENT

Poly[oxyethylene (dimethyliminio) ethylene-(dimethyliminio) ethylene dichloride]..... 30.0%

INERT INGREDIENT ..... 70.0%

This product contains 2.67 lb. of active ingredient per gallon and weighs 8.90 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.

BEST DOCUMENT AVAILABLE

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# WEST C-112 MICROBIOCIDAL

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43436-2  
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UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND ROBOTICIDE ACT  
FOR ECONOMIC POISON REGISTRATION  
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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.

C-112 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 1.90 to 4.75 fluid ounces of WEST C-112 per 1000 gallons of water to provide a concentration of 16 to 40 parts per million of WEST C-112, based on the total weight of water in the system, is recommended. Repeat initial dosage until control is evident.

Subsequent slug additions of 0.47 to 4.75 fluid ounces of WEST C-112 per 1000 gallons of water (4 to 40 parts per million of WEST C-112) 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.

WEST C-112 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 7.1 to 11.9 fluid ounces of WEST C-112 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 4.8 to 11.9 fluid ounces of WEST C-112 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 & DISPOSAL:** Keep container closed when not in use. Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Do not reuse empty container. Triple rinse (or equivalent) and dispose of container in an incinerator or in an approved landfill, or bury in a safe place. Rinsate that cannot be used or reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Open dumping is prohibited.

Manufactured by:

**WATER & ENERGY SYSTEMS TECHNOLOGY, INC.**

139 West Victoria Street  
Gardena, CA 90248

EPA REG. NO. 43436-2

EPA EST. NO. 38832

NET WEIGHT 45 LBS.

**INGREDIENT**  
ethylene (dimethyliminio) ethylene-  
iminio) ethylene dichloride]..... 30.0%  
**INGREDIENT** ..... 70.0%  
Product contains 2.67 lb. of active ingredient per gallon and  
50 lb. per gallon.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

### PRECAUTIONARY STATEMENTS HARM TO HUMANS AND DOMESTIC ANIMALS

**D:** Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.  
**D:** If swallowed, drink promptly a large quantity of milk, water, or gelatin solution, or, if these are not available, drink quantities of water. Avoid alcohol. Call a physician immediately.


**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish, birds, and aquatic life in lakes, streams, or ponds. Permits may be required for discharge of this pesticide into lakes, streams, ponds or other water bodies. For guidance, contact the regional office of the Environmental Protection Agency.

BEST DOCUMENT AVAILABLE

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# BUSAN' 96

ACCEPTED  
1448-73 FOR INDUSTRIAL  
MICROORGANISM CONTROL  
MAY 4 1980

<p><b>ACTIVE INGREDIENT</b> 2,2-Dichloro-3-cyano-6-nitrophenol <b>NET WEIGHT</b> Net contents as marked on Container</p> <p style="text-align: right;">96% 97%</p> <p>EPA Reg. No. 1448-73 EPA Est. No. 1448-73-1 Net Contents as Marked on Container</p>	<p style="text-align: center;"><b>DIRECTIONS FOR USE</b></p> <p><b>IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING</b></p> <p><b>NOTE:</b> Busan 96 must be added separately to systems. Do not mix with other disinfectants. Excessive concentrations will cause decomposition of Busan 96.</p> <p><b>PAPER MILLS:</b> Busan 96 is used to control bacterial, fungal, and virus growth. Recommended rates are 0.05-0.21 gal/ton of pulp or paper (dry basis). Addition rate depends on system type and severity of contamination. A 2-8 mg/l range is typical. This will ensure uniform distribution in the case of flow-through systems. Machine sheets, grade sheets, newsprint, and white water sheets should be treated out, then treated with 0.05-0.10 gal Busan 96/ton of paper (dry basis). Recycled treated systems should be treated continuously with 0.10-0.20 gal Busan 96/ton of paper. Continuous or intermittent dosing is needed for control. Do not allow paper breaks and a backup of the machine may be necessary. Slightly treated treated continuously at 0.05-0.10 gal Busan 96/ton of paper (dry basis) will allow of continuously as needed to maintain control.</p> <p><b>COOLING WATER SYSTEMS:</b> Busan 96 is used in industrial recirculating water cooling systems to control bacteria. The product should be added to the recirculating pump continuously or intermittently depending on the severity of contamination. In shock dosing is used, the treatment should be done by other treatment. Shock treated systems must be cleaned before treatment is used.</p> <p><b>For Control of Algae:</b> If intermittent or slug dose treatment is used and treated with a dose of 0.15-0.30 gal Busan 96/1000 gal of water in the system. If continuous treatment is used, a dose of 0.11-0.20 gal Busan 96/1000 gal of water in the system is needed to maintain control. If continuous treatment is used and treated with a dose of 0.12-0.30 gal Busan 96/1000 gal of water in the system, a continuous dose of 0.11-0.20 gal Busan 96/1000 gal of water in the system is needed to maintain control.</p> <p><b>For Control of Bacteria:</b> If intermittent or slug dose treatment is used and treated with a dose of 0.15-0.30 gal Busan 96/1000 gal of water in the system. If continuous treatment is used, a dose of 0.02-0.03 gal Busan 96/1000 gal of water in the system is needed to maintain control. If continuous treatment is used and treated with a dose of 0.015-0.030 gal Busan 96/1000 gal of water in the system, a continuous dose of 0.015-0.030 gal Busan 96/1000 gal of water in the system is needed to maintain control.</p> <p><b>AIR WASHER SYSTEMS:</b> Busan 96 is used to control some forming bacteria in washer systems. In intermittent or continuous treatment of the water in the system must be cleaned before treatment is begun.</p> <p><b>Intermittent or slug dose treatment:</b> If used a dose of 0.05-0.10 gal Busan 96/1000 gal of water in the system. Repeat until control is achieved. If continuous treatment is used, a dose of 0.0075-0.0125 gal Busan 96/1000 gal of water in the system should be maintained to maintain control.</p> <p><b>Continuous treatment:</b> If used and system is noticeably fouled, add extra dose Busan 96/1000 gal of water in the system. Then maintain dose level by continuous gal Busan 96/1000 gal of water in the system per day.</p>
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**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**

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

**DANGER:** Causes severe burns of eyes. May burn the skin. May be harmful or fatal if inhaled. Do not get in eyes, on skin, or on clothing. Wear chemical workers' goggles when handling. Do not inhale fumes or vapor. Wash thoroughly after handling.

**FIRST AID:** In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse. If product is swallowed, call a physician immediately. If patient is conscious, induce vomiting by stroking or tickling the patient's throat or far back on patient's tongue. Emetics such as 2 teaspoonsful (10 ml) of packed, dry or 1 teaspoonful (5 ml) of dry mustard in warm water to form a paste or even soap in warm water can be used. Repeat until vomit fluid is clear. Then have patient drink plenty of milk, gelatin solution, beaten egg whites, flour and water, or other suitable emollient. Never induce vomiting or give anything by mouth to an unconscious patient.

Report to physician. Probable mucous membrane and/or respiratory tract irritation.

**ENVIRONMENTAL HAZARDS:** Do not discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES permit. For guidance contact your Regional Office of the EPA. The product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply the product only as specified on this label.

**STORAGE & DISPOSAL**

**PRECAUTIONS:** Do not contaminate water, food, or feed by storage or disposal. Overfilling is prohibited. Do not reuse empty container.

**PACKAGING DISPOSAL:** Periodic spray feature or inside that may be used or cleaned. If necessary, should be disposed of in a landfill, except for use as fuel or burned in a safe place away from water bodies.

**CONTAINER DISPOSAL:** Empty container and label should be recycled or disposed of in a safe place away from water bodies.

**GENERAL:** Contact Federal, State, or local health authorities for approved alternative procedures and in detail, see BLS.

**BUCKMAN LABORATORIES, INC.**  
MEMPHIS, TENN. 38188, U.S.A.

BEST DOCUMENT AVAILABLE 53

43436-2

# WEST C-112 MICROBIOCIDAL

**ACCEPTED**  
43436-2  
MAR 6 1980  
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### DIRECTIONS FOR USE GENERAL CLASSIFICATION

WEST C-112 is used to control algae, bacteria, and fungi in commercial and industrial water cooling towers. Prior to its use, towers must be cleaned to remove algal growth, microbiological slime deposits, and other debris. An initial slug addition of 1.90 to 4.75 fluid ounces of WEST C-112 per 1000 gallons of water to provide a concentration of 16 to 40 million parts per million of WEST C-112, based on the total weight of water in the tower, is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 0.47 to 4.75 fluid ounces of WEST C-112 per 1000 gallons of water (4 to 40 parts per million of WEST C-112) should be employed every 2 to 5 days, or as needed. The frequency depends upon the relative amount of bleedoff and the severity of the biological problem. Slug additions should be made in the run-off water from the cooling towers.

WEST C-112 is used to control bacteria in industrial systems that maintain effective mist eliminating components. USA systems should be cleaned to remove bacterial slime deposits. An initial slug dose of 7.1 to 11.9 fluid ounces of WEST C-112 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 4.8 to 11.9 fluid ounces of WEST C-112 per 1000 gallons of water should be employed every 2 to 5 days, or as needed. The frequency of addition depends upon the amount of bleedoff and severity of the bacterial problem. Slug additions should be made to the sump or to the water collection trays of the sump.

**STORAGE & DISPOSAL:** Keep container closed when not in use. Do not contaminate water, food, or feed by storage, or cleaning of equipment. Do not reuse empty container. Triple rinse (or equivalent) and dispose of container in an incinerator or approved landfill, or bury in a safe place. Rinsate that cannot be recycled should be disposed of in a landfill approved for hazardous waste. Incineration or burial in a safe place away from water supply is prohibited.

BEST DOCUMENT AVAILABLE

<b>ACTIVE INGREDIENT</b>	
Poly(oxyethylene (dimethyliminio) ethylene- (dimethyliminio) ethylene dichloride).....	30.0%
<b>INERT INGREDIENT</b> .....	70.0%
This product contains 2.67 lb. of active ingredient per gallon and weighs 8.90 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 discharge of this pesticide into lakes, streams, ponds or public water. For guidance, contact the regional office of the Environmental Protection Agency.

Manufactured by:  
**WATER & ENERGY SYSTEMS TECHNOLOGY**  
139 West Victoria Street  
Gardena, CA 90248

EPA REG. NO. 43436-2      EPA EST.  
NET WEIGHT 45 LBS.

43436-2

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# WEST C-112 MICROBIOCIDAL

ACCEPTED  
43436-2  
MAR 6 1980 It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
UNDER THE FEDERAL FOOD, DRUG, AND COSMETICS ACT AND RELATED ACTS FOR SOLELY TOXIC SUBSTANCE CONTROL ACT UNDER NO.

### DIRECTIONS FOR USE GENERAL CLASSIFICATION

WEST C-112 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 1.90 to 4.75 fluid ounces of WEST C-112 per 1000 gallons of water to provide a concentration of 16 to 40 parts per million of WEST C-112, based on the total weight of water in the system, is recommended. Repeat initial dosage until control is evident.

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WEST C-112 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 7.1 to 11.9 fluid ounces of WEST C-112 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 4.8 to 11.9 fluid ounces of WEST C-112 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 & DISPOSAL:** Keep container closed when not in use. Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Do not reuse empty container. Triple rinse (or equivalent) and dispose of container in an incinerator or in an approved landfill, or bury in a safe place. Rinse that cannot be used or reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Open dumping is prohibited.

Manufactured by:  
**WATER & ENERGY SYSTEMS TECHNOLOGY, INC.**  
139 West Victoria Street  
Gardena, CA 90248

EPA REG. NO. 43436-2      EPA EST. NO. 38332  
NET WEIGHT 45 LBS

ACTIVE INGREDIENT	
Chlorine (Dimethylamino) ethylene- dichloride	30.0%
INERT	70.0%
Net contains 2.67 lb. of active ingredient per gallon and 10 lb. per gallon.	

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

#### PRECAUTIONARY STATEMENTS TO HUMANS AND DOMESTIC ANIMALS

Avoid if swallowed. Avoid breathing vapors. Avoid contact with eyes, or clothing.  
If swallowed, drink promptly a large quantity of milk, or water, or if these are not available, drink plenty of water. Avoid alcohol. Call a physician immediately.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish, birds, and mammals. Do not apply to lakes, streams, ponds, or other bodies of water. Permits may be required for application of this pesticide into lakes, streams, ponds or other bodies of water. For guidance, contact the regional office of the Environmental Protection Agency.

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Job 102/103

2749-245

### METOBROMURON 50 WP

## A SELECTIVE HERBICIDE FOR PRE-EMERGENCE WEED CONTROL IN POTATOES. DO NOT APPLY WITHIN 90 DAYS OF HARVEST

BEST DOCUMENT AVAILABLE

**ACTIVE INGREDIENT:**  
Metobromuron (3-(p-bromophenyl)-1-methoxy-1-methylurea)

50%

**INERT INGREDIENTS:**

50%

TOTAL

100%

EPA REG. NO. 2749-268  
NET WEIGHT 4 LBS.

**WEED CONTROL - METOBROMURON 50WP** applied according to label directions will selectively control annual weeds in potatoes, such as:

**ANNUAL GRASS WEEDS:**

Barnyardgrass  
Cyperus  
Cyperus

**ANNUAL BROADLEAF WEEDS:**

Black nightshade  
Cephaelis  
Chenopodium  
Deck (seedling)  
Ground cherry  
Samaritana  
Wild radish

Horsetail  
Pigweed  
Purslane  
Lamb's ears  
Ragwort  
Wild radish

### CAUTION: KEEP OUT OF REACH OF CHILDREN.

HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. MAY CAUSE IRRITATION OF EYES, NOSE, THROAT AND SKIN. AVOID CONTACT WITH EYES, NOSE, THROAT, SKIN, OR CLOTHING. AVOID BREATHING OF DUST OR SPRAY MIST.

IN CASE OF CONTACT, FLUSH WITH PLENTY OF WATER. FOR EYES - GET MEDICAL ATTENTION.

WASH HANDS WITH SOAP AND WATER BEFORE EATING, SMOKING OR DRINKING. WEAR CLEAN CLOTHES WHEN HANDLING. WASH CLOTHES BEFORE REUSING.

DO NOT CONTAMINATE DOMESTIC OR IRRIGATION WATER SUPPLIES OR LAKES, STREAMS, OR PONDS.

DO NOT REUSE EMPTY CONTAINER. DESTROY EMPTY CONTAINER BY PERFORMING OR CRUSHING AND BURYING IN A SAFE PLACE.

#### GENERAL INFORMATION:

METOBROMURON 50WP as a single application is effective for weed control in potatoes when applied as pre-emergence broadcast or band treatment to the surface of the soil at planting, or pre-emergence to potatoes at "drop-off".

Refrain from giving sufficient moisture to germinate seeds or for growing crops is adequate to activate the herbicidal activity of METOBROMURON 50WP. Do not use on light sandy soils with less than 1% organic matter in Arizona, California, Idaho, Montana, Nevada, Oregon and Washington.

DO NOT APPLY WITHIN 90 DAYS OF HARVEST

#### APPLICATION DIRECTIONS:

**Pre-emergence treatment:** A broadcast treatment of METOBROMURON 50WP of 4.9 to 6.0 pounds per acre. On light sandy soils, 50% to 75% of the rate. Apply METOBROMURON 50WP to the surface of the soil with 100 gallons of water per acre.

**BAND TREATMENT:** A band treatment of METOBROMURON 50WP broadcast treatment. The following formula may be used to calculate treatment.

Band Width in Inches	Rate per Acre	Acres Treated
Row width in Inches	Broadcast Treatment	Band Treatment

**EQUIPMENT:** Use conventional spray equipment and Ten Jet nozzle broadcast applications or 80022 to 80028 nozzle tips, or equivalent, should be 50 mesh.

**MIXING INSTRUCTIONS:** Shake cart or spray equipment for loose product. METOBROMURON 50WP should be thoroughly mixed to avoid clumping before adding to the spray tank. The spray tank should contain water to be used, before adding to the slurry.

Agitate by mechanical or by-pass means in the spray tank. Avoid constant agitation. If by-pass return line is used, it should terminate at tanking.

BEST DOCUMENT AVAILABLE



Manufactured for  
**ACETO CHEMICAL CO., INC.**  
AGRICULTURAL CHEMICALS DIV.

126-02 NORTHERN BOULEVARD, FLUSHING, N.Y. 11368