7424 Microbiocide

INDUSTRIAL MICROBIOCIDE FOR USE IN RECIRCULATING WATER COOLING TOWERS, WOOD, MOLD AND MILDEW CONTROL, PULP AND PAPER MILLS, OIL FIELD INJECTION WATERS AND AIR WASHER SYSTEMS

Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2014-2016 LIC. NO. 7006.1

Manufactured for :
Chemicals, Inc.
13560 Colombard Court
Fontana, CA 92337
951-681-9697

Active Ingredients:
5-chloro-2-methyl-4-isothiazolin-3-one. 1.11%
2-methyl-4-isothiazolin-3-one. 0.39%
Inert Ingredients: 98.50%
Total..... 100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER-PELIGRO Corrosive. Causes irreversible eye damage or skin burns. May be fatal if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders and others exposed to 7424 MICROBIOCIDE must wear:

- Coveralls over long-sleeved shirt and long pants.
- Chemical resistant gloves (such as or made of any waterproof material).
- Socks and chemical resistant footwear
- Goggles or face shield
- Chemical resistant apron

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with 7424 MICROBIOCIDE's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users must:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling **7424 MICROBIOCIDE**. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.

ENVIRONMENTAL HAZARDS

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. Do not discharge effluent containing 7424 MICROBIOCIDE 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 7424 MICROBIOCIDE 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.

FIRST AID

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison Control Center or doctor or going for treatment.

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.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have 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 by mouth-to-mouth, if possible

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

This product aids in the control of bacterial, fungal and algal slimes in industrial recirculating cooling water systems, oil field injection waters, air washer systems, wood and wood products, and pulp and paper mills.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

To control bacteria, fungi and algae add **7424 MICROBIOCIDE** to the tower basin, distribution box or other point that insures uniform mixing. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

INITIAL DOSE

When the system is noticeably fouled, treat with 150 to 867 ppm of **7424 MICROBIOCIDE** (2.25 to 13 ppm active), by adding 1.3 to 7.2 pounds or 19 to 109 fluid ounces of **7424 MICROBIOCIDE** for every 1,000 gallons of system water. Repeat as often as necessary until microbial control is achieved.

SUBSEQUENT DOSE

When microbial control is evident, treat with 33 to 233 ppm **7424 MICROBIOCIDE** (0.5 to 3.5 ppm active), by adding 0.28 to 1.9 pounds or 4.2 to 29 fluid ounces of **7424 MICROBIOCIDE** for every 1,000 gallons of system water. Repeat dosage 2 to 3 times per week, or as frequently as needed to maintain biocontrol.

OIL FIELD INJECTION WATERS

7424 MICROBIOCIDE controls slime-forming and sulfate-reducing bacteria in oil and gas field water systems, including enhanced recovery injection, drilling, fracturing and completion fluids. 7424 MICROBIOCIDE may be used for terrestrial and offshore drilling muds and packer fluids.

INITIAL DOSE

When the system is noticeably fouled, treat with 150 to 867 ppm of 7424 MICROBIOCIDE (2.25 to 13 ppm active), by adding 53 to 304 pounds or 6.2 to 36 gallons of 7424 MICROBIOCIDE for every 1,000 barrels of system water. Repeat slug dosage every three days, or as frequently as needed to achieve microbial control.

SUBSEQUENT DOSE

When microbial control is evident, treat with 33 to 233 ppm of 7424 MICROBIOCIDE (0.5 to 3.5 ppm active), by adding 12 to 82 pounds or 1.4 to 9.6 gallons of 7424 MICROBIOCIDE for every 1,000 barrels of system water. Repeat slug dosage every seven days, or as frequently as needed to maintain control.

AIR WASHERS SYSTEMS

Add **7424 MICROBIOCIDE** to the air washer or chill water sump to insure uniform mixing. Use only in industrial airwasher systems that maintain effective mist eliminating components. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

INITIAL DOSE

When the system is noticeably fouled, treat with 150 to 867 ppm of 7424 MICROBIOCIDE (2.25 to 13 ppm active), by adding 1.3 to 7.2 pounds or 19 to 109 fluid ounces of 7424 MICROBIOCIDE for every 1,000 gallons of system water. Repeat as often as necessary until microbial control is achieved.

SUBSEQUENT INTERMITTENT OR SLUG DOSE

When microbial control is evident, treat with 33 to 233 ppm 7424 MICROBIOCIDE (0.5 to 3.5 ppm active), by adding 0.28 to 1.9 pounds or 4.2 to 29 fluid ounces of 7424 MICROBIOCIDE for every 1,000 gallons of system water. Repeat dosage weekly, or as frequently as needed to maintain biocontrol.

SUBSEQUENT CONTINUOUS FEED DOSE

When microbial control is evident, treat with 33 to 233 ppm 7424 MICROBIOCIDE (0.5 to 3.5 ppm active), by adding continuously 0.28 to 1.9 pounds or 4.2 to 29 fluid ounces of **7424 MICROBIOCIDE** for every 1,000 gallons of system makeup water

WOOD AND WOOD PRODUCTS

7424 MICROBIOCIDE is used for the protection of wood and wood products such as landscape timbers, fences, posts, terrestrial-use pilings, cross ties, decks, and similar exterior structures from mold and mildew. As a pressure treatment for mold and mildew control for southern yellow pine hemlock, ponderosa pine and other soft woods, treat with 263 to 840 ppm of 7424 MICROBIOCIDE (4.0 to 12.6 ppm active), by adding 2.2 to 7.0 pounds or 33 to 105 fluid ounces of 7424 MICROBIOCIDE for every 1,000 gallons. Thoroughly wet and allow to dry. A single application will provide protection for 12 weeks.

PULP AND PAPER MILLS

Add **7424 MICROBIOCIDE** to a point in the system, such as the Beater, Hydropulper, or Fan or Broke storage pumps, that insures uniform mixing. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

DOSAGE

Add 0.44 to 1.5 pounds of 7424 MICROBIOCIDE per ton (dry basis) of pulp or paper produced as a slug dose. Repeat as often as necessary.

ULTRA FILTRATION UNITS AND NON-MEDICAL/NONPOTABLE REVERSE OSMOSIS SYSTEMS (Not For Use In California)

7424 MICROBIOCIDE is used for the control of bacteria and fungi in ultra filtration units and non-medical/non-potable reverse osmosis systems. Use of 7424 MICROBIOCIDE in potable water or dialysis is prohibited. Add 10 – 333 ppm of 7424 MICROBIOCIDE (0.15 – 5 ppm active ingredient) into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of 7424 MICROBIOCIDE with reverse osmosis membranes must be confirmed with membrane manufacturers. For the control of bacteria and fungi in carbon beds, add 10 – 333 ppm of 7424 MICROBIOCIDE (0.15 – 5 ppm active ingredient) by either continuous or batch feed. For periodic membrane cleaning, add 0.4 – 1.0 lb of 7424 MICROBIOCIDE to every 120 gallon of cleaning solution (6 – 15 ppm active ingredient). Badly fouled systems must be cleaned before treatment is begun.

7424 MICROBIOCIDE weighs 8.50 pounds per gallon.

STORAGE AND DISPOSAL

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

Pesticide Storage:
Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal:
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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:
Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

Metal Containers: Triple rinse (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. DO NOT cut or weld metal containers.

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

General:
Consult Federal, State or local disposal authorities for approved alternative procedures.

EPA Reg. No. 6836-258- 39959

FOR HELP IN A CHEMICAL EMERGENCY CALL INFOTRAC 800-525-5053. BEFORE USING CONSULT MATERIAL SAFETY DATA SHEET.

EPA EST. NO. 39959-CA-001

NET CONTENTS: _____ LOT NUMBER: _____