MBC 215

INDUSTRIAL MICROBICIDE FOR USE IN RECIRCULATING WATER COOLING TOWERS, AIR WASHER SYSTEMS, PAPERMILL SLIME CONTROL, RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS, BREWERY PASTEURIZERS/CAN WARMER SYSTEMS, REVERSE OSMOSIS AND ULTRA FILTRATION SYSTEMS.

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

FIRST AID	
IF ON SKIN:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 min. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 min. • Remove contact lenses, if present, after first 5 min, then continue rinsing eye. • Call a 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 mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
IN CASE OF EMERGENCY CALL TOLL FREE: 800-424-9300	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be necessary.	
SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.	

Manufactured by:

Nashville Chemical
Redefining Water Treatment Services

NASHVILLE CHEMICAL & EQUIPMENT CO., INC.
7001 WESTBELT DRIVE
NASHVILLE, TN 37209
(615) 350-7070

EPA Est. No 44392-TN-01 **EPA Reg. No. 707-133-44392**

NET CONTENTS: Lb. Gal.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE
CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS
MAY CAUSE ALLERGIC SKIN REACTION
HARMFUL IF INHALED
HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN

Do not get in eyes, on skin, or on clothing. Mixers, loaders and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

ENVIRONMENTAL HAZARDS

This chemical is toxic to aquatic plants, 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. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

CONDITIONS OF SALE AND WARRANTY

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions and as defined the Directions for Use on this label. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, EITHER OF MERCHANTABILITY OR FITNESS, FOR A PARTICULAR USE. Handling, storage, and use of the product by Buyer or User are beyond the control of Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow directions will be assumed by the Buyer or User. TO THE EXTENT PERMITTED BY LAW, SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

DIRECTIONS FOR USE

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

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

For the control of microbial biofilms, bacteria, algae, and fungi, add MBC 215 to industrial recirculating water cooling towers. Add MBC 215 at some point in the system to insure uniform mixing.
INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm MBC 215 (1.26 to 7.46 pounds or 19 to 113 fluid ounces of MBC 215 per 1,000 gallons of water in the system). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.
SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm MBC 215 (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of MBC 215 per 1,000 gallons of water in the system) weekly or as needed to maintain control.

AIR WASHER SYSTEMS

Add to the air washer sump or chill water sump, to insure uniform mixing, 35 to 883 ppm MBC 215 (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of MBC 215 per 1,000 gallons of water in the system) depending upon the severity of contamination to control microbial biofilms, bacteria, fungi and algae which cause fouling in industrial air washer systems.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm MBC 215 (1.26 to 7.46 pounds or 19 to 113 fluid ounces of MBC 215 per 1,000 gallons of water in the system). Repeat until control is achieved.
SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm MBC 215 (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of MBC 215 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems should be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm MBC 215 (1.26 to 7.46 pounds or 19 to 113 fluid ounces of MBC 215 per 1,000 gallons of water in the system).
SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of 35 to 219 ppm MBC 215 (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of MBC 215 per 1,000 gallons of makeup water). Badly fouled systems must be cleaned before initial treatment.
NOTE: For use only in systems that maintain effective mist eliminating components.

INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS

For the control of microbial biofilms, bacteria, algae, and fungi, add MBC 215 to Industrial Recirculating Closed Loop Water Cooling Systems. Add MBC 215 at some point in the system to insure uniform mixing.
INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm MBC 215 (1.26 to 7.46 pounds or 19 to 113 fluid ounces of MBC 215 per 1,000 gallons of water in the system). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.
SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm MBC 215 (0.3 to 1 .86 pounds or 4.5 to 28 fluid ounces of MBC 215 per 1,000 gallons of water in the system) weekly or as needed to maintain control.

BREWERY PASTEURIZERS AND CAN WARMERS

For the control of microbial biofilms, bacteria, algae, and fungi, add MBC 215 to Brewery Pasteurizers and Can Warmers. Add MBC 215 at some point in the system to insure uniform mixing.
INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm MBC 215 (1.26 to 7.46 pounds or 19 to 113 fluid ounces of MBC 215 per 1000 gallons of water in the system). Repeat until control is achieved. Badly fouled systems should be cleaned before treatment is begun.
SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm MBC 215 (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of MBC 215 per 1000 gallons of water in the system) weekly or as needed to maintain control.

MBC 215 weighs 8.4 lb/gallon.

ULTRA FILTRATION UNITS AND NON-MEDICAL/NON-POTABLE REVERSE OSMOSIS SYSTEMS

MBC 215 is recommended for the control of microbial biofilms, bacteria and fungi in ultra filtration units and non-medical/non-potable reverse osmosis systems. Use of MBC 215 in potable water or dialysis is prohibited. Add 10 - 333 ppm of MBC 215 (0.15 - 5 ppm active ingredient) into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of MBC 215 with reverse osmosis membranes should be confirmed with membrane manufacturers.
For the control of bacteria and fungi in carbon beds, add 10 - 333 ppm of MBC 215 (0.15 - 5 ppm active ingredient) by either continuous or batch feed.
For periodic membrane cleaning, add 0.4 - 1.0 lb of MBC 215 to every 120 gallon of cleaning solution (6 - 15 ppm active ingredient).
Badly fouled systems should be cleaned before treatment is begun.

PAPERMILLS

For the control of microbial biofilms, bacteria, algae and fungi, add MBC 215 to the Beater, Hydropulper, or Fan or Broke Storage Pumps or some other point in the system to insure uniform mixing.
Apply 0.44 to 1.5 lb (7 - 23 fluid ounce) of MBC 215 per ton (dry basis) of pulp or paper produced as a slug dose. If needed, repeat daily. Badly fouled systems should be cleaned before initial treatment.

STORAGE AND DISPOSAL

PESTICIDE STORAGE

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.
Do not apply this product in a way that will contact workers or other persons.

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. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by procedures approved by state and local authorities.

GENERAL

CONSULT FEDERAL, STATE, OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-Chloro-2-Methyl-4-Isothiazolin-3-One) 8, PG II

3/15/2010

SAMPLE LABEL