Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2015-2017 LIC. NO.

8083.14

CHEM-AQUA®

CHEM-AQUA® 40215

INDUSTRIAL MICROBICIDE FOR USE IN INDUSTRIAL PROCESS WATER SYSTEMS, RECIRCULATING WATER COOLING TOWERS, AIR WASHER SYSTEMS, OIL FIELD INJECTION WATERS, PAPERMILL SLIME CONTROL, RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS, BREWERY PASTEURIZER/CAN WARMER/ RETORT WATER SYSTEMS, EVAPORATIVE CONDENSER WATER SYSTEMS, REVERSE OSMOSIS AND ULTRA FILTRATION SYSTEMS, AND INDUSTRIAL SCRUBBING SYSTEMS.

ACTIVE INGREDIENTS

5-chloro-2-methyl-4-isothiazolin-3-one	1.11%
2-methyl-4-isothiazolin-3-one	0.39%
OTHER INGREDIENTS	98.50%
TOTAL	100.00%

CHEM-AQUA 40215 weighs 8.55 lbs/gallon.

EPA Reg. No. 1769-375-71898

See elsewhere on label for additional precautionary statements.

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

FIRST AID	
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 by a poison control center or doctor.
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.
IF ON SKIN	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15- 20 minutes. • Call a poison control center or doctor 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. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be necessary.
For medical or environmental emergencies call CHEMTREC® at 1-800-424-9300. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NET CONTENTS:_____

DIRECTIONS FOR USE

GENERAL CLASSIFICATION

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
For the control of bacteria, algae, and fungi, add CHEM-AQUA 40215 to: **industrial process water systems, industrial recirculating water cooling towers, industrial recirculating closed loop water cooling systems, brewery pasteurizers, can warmers, retort water systems, industrial scrubbing systems, and evaporative condenser water systems.** Add CHEM-AQUA 40215 at some point in the system to ensure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 148 - 883 ppm CHEM-AQUA 40215 (1.26 - 7.46 pounds or 19 - 113 fluid ounces of CHEM-AQUA 40215 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 - 219 ppm CHEM-AQUA 40215 (0.3 - 1.86 pounds or 4.5 - 28 fluid ounces of CHEM-AQUA 40215 per 1,000 gallons of water in the system) weekly or as needed to maintain control.

PAPERMILLS

For the control of bacteria, algae and fungi, add CHEM-AQUA 40215 to the Beater, Hydropulper, or Fan or Broke Storage Pumps or some other point in the system to ensure uniform mixing.
Apply 0.44 to 1.5 lb (7 - 23 fluid ounces) of CHEM-AQUA 40215 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.

AIR WASHER SYSTEMS

Add to the air washer sump or chill water sump to ensure uniform mixing, 35 - 883 ppm CHEM-AQUA 40215 (0.3 - 7.46 pounds or 4.5 - 113 fluid ounces of CHEM-AQUA 40215 per 1,000 gallons of water in the system) depending upon the severity of contamination to control 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 - 883 ppm CHEM-AQUA 40215 (1.26 - 7.46 pounds or 19 - 113 fluid ounces of CHEM-AQUA 40215 per 1,000 gallons of water in the system.) Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 - 219 ppm CHEM-AQUA 40215 (0.3 - 1.86 pounds or 4.5 - 28 fluid ounces of CHEM-AQUA 40215 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 - 883 ppm CHEM-AQUA 40215 (1.26 - 7.46 pounds or 19 - 113 fluid ounces of CHEM-AQUA 40215 per 1,000 gallons of water in the system.)

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of 35 - 219 ppm CHEM-AQUA 40215 (0.3 - 1.86 pounds or 4.5 - 28 fluid ounces of CHEM-AQUA 40215 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.

EPA Est. No 4140 -							
CA-1	IN-1	NJ-1	PR-1	TX-1	TX-2	TX-4	CAN-1

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

CHEM-AQUA 40215 is recommended for the control of bacteria and fungi in ultra filtration units and non-medical/non-potable reverse osmosis systems. Use of CHEM-AQUA 40215 in potable water or dialysis is prohibited. Add 10 - 333 ppm of CHEM-AQUA 40215 (0.15 - 5 ppm active ingredient) into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of CHEM-AQUA 40215 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 CHEM-AQUA 40215 (0.15 - 5 ppm active ingredient) by either continuous or batch feed. For periodic membrane cleaning, add 0.4 - 1.0 pounds or 6.0 - 15.0 fluid ounces of CHEM-AQUA 40215 to every 120 gallons of cleaning solution (6 - 15 ppm active ingredient). Badly fouled systems should be cleaned before treatment is begun.

OIL FIELD INJECTION WATERS

For the control of slime-forming and sulfate-reducing bacteria in oil and gas field water systems, including enhanced recovery injection fluids, drilling, fracturing and completion fluids, slug treat with 67 - 332 ppm CHEM-AQUA 40215 depending on the severity of contamination.

INITIAL DOSE: Add 166 - 332 ppm CHEM-AQUA 40215 (6.9 - 13.9 gallons or 58.0 - 116.8 pounds CHEM-AQUA 40215 per 1,000 barrel of water) at a point in the system where it will be uniformly mixed. Repeat treatment after three days or as needed until control is achieved.

SUBSEQUENT DOSE: Add 67-166 ppm CHEM-AQUA 40215 (2.8 - 6.9 gallons or 23.5 - 58.0 pounds CHEM-AQUA 40215 per 1,000 barrel of water) every seven days or as needed to maintain control.

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.

METAL CONTAINERS

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. 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.

PLASTIC CONTAINERS

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. 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. Do not apply this product in a way that will contact workers or other persons.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER
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. Avoid contact with skin. 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 methylisothiazolinone must wear: Coveralls over long-sleeved shirt and long pants; socks and chemical-resistant shoes; goggles or face shield; chemical-resistant gloves (such as rubber or made out of any waterproof material); chemical-resistant apron.
Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

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 the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

PHYSICAL AND CHEMICAL HAZARDS: This product is corrosive to mild steel.

ENVIRONMENTAL HAZARDS

This product is toxic to terrestrial and 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.

See the Safety Data Sheet for more information.
Not for Resale
MADE IN THE U.S.A.
C668CAB2
1M410

NSF

Nonfood Compounds
Program Listed (Category G5)
(Registration #145264)

Packed for
CHEM-AQUA, INC.
P.O. Box 152170, Irving, Texas 75015
www.chemaqua.com • ©2014 CHEM-AQUA, Inc.

QUALITY ISO 9001 ASSURANCE

TO REORDER, Call TOLL-FREE:
1-800-527-9921
FAX: 1-972-438-0634