

9386-38

4/29/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

APR 29 2014

Mr. Eliot Harrison
Regulatory Agent for,
c/o Kemira Chemicals, Inc.
Lewis and Harrison
122 C Street, N.W., Suite 505
Washington, D.C. 20001

Subject: AMA-15
EPA Registration Number 9386-38
Your Amendment Dated February 10, 2014
EPA Received Date February 11, 2014

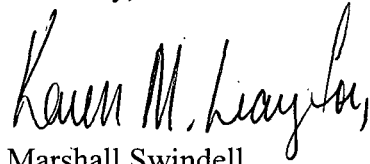
The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act(FIFRA), as amended, to add an alternate formulation in order to add another source for the active ingredients in the formulation, is acceptable.

The Confidential Statements of Formula for basic and alternate formulations dated April 1, 2014, are acceptable.

Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and it's implementing regulation at 40 CFR 152.3.

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,



Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobial Division(7510P)

DIRECTIONS FOR USE

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

PAPER MILL SLIMICIDE: AMA*-15 is recommended for the control of bacterial and fungal slime in the production of paper.

Point of Addition: AMA*-15 should be added to a point in the system to insure uniform mixing such as the beater, hydroapulper, or fan or broke storage pumps.

Dosage: Apply 0.44 to 1.5 lbs. (7 to 23 fluid ounces) of AMA*-15 per ton (dry basis) of pulp or paper produced as a bag dose. If needed, repeat daily. Badly fouled systems should be cleaned before initial treatment.

PAINT AND COATING PRESERVATION: AMA*-15 is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings and paints used for architectural, product finishes, and special-purpose coatings. Add 0.43 - 1.65 lbs. of AMA*-15 microbicide (0.95-290 g) to each 1,000 lbs. (453 kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolinone).

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS: For the control of bacteria, algae and fungi add AMA*-15 microbicide to the tower basin distribution box or some other point to insure uniform mixing.

Initial Dosage: When the system is noticeably fouled, apply 148 to 883 ppm AMA*-15 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA*-15 per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dosage: When microbial control is evident, add 35 to 219 ppm AMA*-15 microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA*-15 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

AIR WASHER SYSTEMS: Add to the air washer sump or chill water sump, to insure uniform mixing. 35 to 883 ppm AMA*-15 microbicide (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of AMA*-15 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 system.

Intermittent or Slug Method: Initial Dosage: When the system is noticeably fouled, apply 148 to 883 ppm AMA*-15 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA*-15 per 1,000 gallons of water in the system). Repeat until control is achieved.

Subsequent Dosage: When microbial control is evident, add 35 to 219 ppm AMA*-15 microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA*-15 per 1,000 gallons of water in the system) weekly or as needed to maintain control.

Continuous Feed Method:

Initial Dosage: When the system is noticeably fouled, apply 148 to 883 ppm AMA*-15 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA*-15 per 1,000 gallons of water in the system). Subsequent Dosage: Maintain this treatment level by adding a continuous feed of 35 to 219 ppm AMA*-15 microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA*-15 per 1,000 gallons of makeup water). Badly fouled systems must be cleaned before initial treatment. NOTE: For use only in industrial air washing systems that maintain effective mist-eliminating components.

INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS: For the control of bacteria, algae and fungi, add AMA*-15 microbicide in the reservoir, recirculating line or some other point in the system to insure uniform mixing.

Initial Dosage: When the system is noticeably fouled, apply 148 to 883 ppm AMA*-15 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA*-15 per 1,000 gallons of water in the system). Repeat until control is achieved. Subsequent Dosage: When microbial control is evident, add 35 to 219 ppm AMA*-15 microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA*-15 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

ADHESIVE AND TACKIFIER PRESERVATION: AMA*-15 is recommended as an in-container preservative for the control of bacteria and fungi in water-soluble and water-dispersible adhesive systems such as emulsion, vegetable glues, natural rubber latices, polyvinyl acetate, styrene butadiene and acrylic latices. AMA*-15 is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.

PHOTOPLATE PROCESSING, FOUNTAIN SOLUTIONS AND INK/JINK COMPONENTS: AMA*-15 is recommended for the control of bacteria and fungi on photoplate processing such as stabilizer solutions and in fountain solutions. AMA*-15 is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. AMA*-15 is recommended for the control of bacteria and fungi in printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants and thickeners. AMA*-15 should be added to achieve the recommended dosage range for ink components, fountain solutions and photoplate processing chemicals at 0.1% to 1.0% on a total weight basis. The optimum level range for acidic fountain solutions is 0.2% to 0.5%. A level adjustment may be necessary to accommodate the slight change in solution formulations.

NOTE: To insure uniform mixing, add AMA*-15 to latex or solution slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated. Frequency of repeated microbial contamination expected and level of protection required.

Lbs. of Product per 1000 Lbs. Fluid	G. of Product per 453 G. Fluid	ppm of Product	ppm Active Ingredient
0.43	195	425	6.25
1.65	750	1675	25.0

UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE), 8, PGII

ULTRA FILTRATION UNITS AND NON-MEDICAL/NON-POTABLE REVERSE OSMOSIS SYSTEMS: AMA*-15 is recommended for the control of bacteria and fungi in ultra-filtration units and non-medical/non-potable reverse osmosis systems. Use of AMA*-15 in potable water or dialysis is prohibited. Add 10 - 333 ppm of AMA*-15 (0.15 - 5 ppm active ingredient) into industrial ultra-filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of AMA*-15 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 AMA*-15 (0.15 - 5 ppm active ingredient) by either continuous or batch feed. For periodic membrane cleaning, add 0.4 - 1.0 lb. of AMA*-15 to every 120 gallon of cleaning solution (6 - 15 ppm active ingredient). Badly fouled systems should be cleaned before treatment is begun.

DISPERSED PIGMENT PRESERVATION: AMA*-15 microbicide is recommended for the control of bacteria and fungi in the manufacturer's storage of dispersed pigments such as kaolin clay, iron oxides, titanium dioxide, carbon black, calcium sulfate, barium sulfate, inorganic silicates, and barium pigments in paint and paper production. Add 0.43 - 1.65 lbs. of AMA*-15 microbicide (0.95 - 750g) to each 1,000 lbs. (453 Kg) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolinone).

BREWERY PASTEURIZERS AND CAN WARMERS: For the control of bacteria, algae and fungi in brewery pasteurizer and can warmer systems, add AMA*-15 microbicide at a point in the system to insure uniform mixing.

Initial Dosage: When the system is noticeably fouled, apply 148 to 883 ppm AMA*-15 microbicide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA*-15 per 1,000 gallons of water in the system). Repeat until control is achieved.

Subsequent Dosage: When microbial control is evident, add 35 to 219 ppm AMA*-15 microbicide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA*-15 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

POLYMER LATEX PRESERVATION: AMA*-15 is recommended for the control of bacteria and fungi in the manufacturing and storage of synthetic and natural polymer latices including: acrylic, styrene/butadiene, carboxylated styrene/butadiene, ethylene/vinyl acetate, biopolymers intended for industrial use, such as xanthan gum, guar, gum, protein-derived polymers, starches, cationic derived polymers, latices, and solution polymers. Add 0.43 - 3.3 pounds of AMA*-15 (195 gram - 1.5 kilogram) to each 1000 pound (453 kilogram) of emulsion to provide 425 - 3350 ppm product (6.25 - 59 ppm active isothiazolinone).

NOTE: To insure uniform mixing, add AMA*-15 to latex or solutions slowly with agitation. The actual uniform concentrations will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected, and level of product required.

PHOTOPLATE PROCESSING, FOUNTAIN SOLUTIONS AND INK/JINK COMPONENTS: AMA*-15 is recommended for the control of bacteria and fungi on photoplate processing such as stabilizer solutions and in fountain solutions. AMA*-15 is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. AMA*-15 is recommended for the control of bacteria and fungi in printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants and thickeners. AMA*-15 should be added to achieve the recommended dosage range for ink components, fountain solutions and photoplate processing chemicals at 0.1% to 1.0% on a total weight basis. The optimum level range for acidic fountain solutions is 0.2% to 0.5%. A level adjustment may be necessary to accommodate the slight change in solution formulations.

NOTE: To insure uniform mixing, add AMA*-15 to latex or solution slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated. Frequency of repeated microbial contamination expected and level of protection required.

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 AMA*-15 microbicide depending on the severity of contamination.

Initial Dosage: Add 166-332 ppm AMA*-15 (6.9 - 13.9 gallon or 58.0-116.8 pound per 1000 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 Dosage: Add 67-166 ppm AMA*-15 (2.8 - 6.9 gallon or 23.5 - 38.0 pound per 1000 barrel or 1000 barrel of water) every seven days or as needed to maintain control.

ACTIVE INGREDIENTS:

5-chloro-2-methyl-4-isothiazolin-3-one 1.1%

2-methyl-4-isothiazolin-3-one 0.38%

TOTAL **98.52%**

100.00%

AMA® -15

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

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 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.

If swallowed: Call a poison control center or doctor 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.

NOTE TO PHYSICIAN: Probable mucosal damage may complicate the use of gastric lavage. Measure against circulatory shock, respiratory depression and convulsions may be necessary.

Contact CHEMTREC at 1-800-424-9300 for additional information.

See Side Panel For Additional Precautionary Statements.

(ANTIMICROBIAL AGENT)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive: Causes irreversible eye damage or skin burns. Harmful if swallowed. Harmful if inhaled. Do not get in eyes, on skin, on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Persons exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes and 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 exist, 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 PPE immediately if pesticide gets inside. Immediately wash thoroughly and put on clean clothing. Users should remove PPE as soon as possible, wash thoroughly.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a 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 sewerage 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.

GENERAL PRECAUTIONS AND RESTRICTIONS:

Do not apply this product in a way that will contact workers and other persons.

STORAGE AND DISPOSAL

Non-refillable container. Do not reuse or refill this container.

PESTICIDE STORAGE: Do not store or transport in unlined metal containers.

EXCESS PESTICIDE, or residue is a violation of Federal law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

LOT#: _____

NET WT.: _____ Pounds (DENSITY: 8.5 LBS/GAL)

Label Date: 30-JUN-13CIMS

Sold By

KEMIRA

KEMIRA CHEMICALS, INC.

1000 PARKWOOD CIRCLE, SUITE 500

ATLANTA, GA 30339

EPA REG. No. 9386-38

EPA EST. No. 9386-GA-3

ACCEPTED

APR 29 2014

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 9386-38

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