



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Antimicrobials Division (7510P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

89110-23

Date of Issuance:

9/21/18

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

BIONIX GA 4308

Name and Address of Registrant (include ZIP Code):

Isomeric Industries
 361 17th Street NW #1224
 Atlanta, GA 30363

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Zeno Bain, Product Manager 33
 Regulatory Management Branch I
 Antimicrobials Division (7510P)
 Office of Pesticide Programs

Date:

9/21/18

2. You are required to comply with the data requirements described in the DCI Order identified below:
 - a. Glutaraldehyde - GDCI-043901-1668 -EPA- HQ-OPP-2015-0738
 - b. Alky(C 14 50%, C12 40%, C1610%) dimethyl benzyl ammonium chloride – GDCI – 069137-1745

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 89110-23.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated May 1/ 2018
- Alternate CSF dated May 31, 2018

If you have any questions, please contact Zebora Johnson by phone at (703) 308-7080, or via email at johnson.zeboraj@epa.gov.

Enclosure: Accepted Label

{Note to Reviewer: [Bracketed text] is optional.}

BIONIX GA 4308

INDUSTRIAL ANTIMICROBIAL

ACCEPTED

Sep 21, 2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 89110-23

Active Ingredient:

Glutaraldehyde..... 42.5%

Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride..... 7.5%

Other Ingredients: 50.0%

Total: 100.0%

EPA Reg. No. 89110-EG EPA Est. _____ **NET CONTENTS:** As Marked on
Container

**KEEP OUT OF REACH OF CHILDREN
DANGER**

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person. • Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes.
If inhaled:	<ul style="list-style-type: none"> • 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.
In case of emergency, 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.	
Note to physician: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.	

[See back/side panels for additional Precautionary Statements]

In case of emergency, call INFOTRAC: (800)-535-5053

**Manufactured
by:
ISOMERIC INDUSTRIES**
361 17TH Street NW #1224
Atlanta, GA 30363
678-665-4275

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PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed or absorbed through skin. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Wear goggles, face shield or safety glasses, long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves. Avoid breathing dust, vapor, or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals.

ENVIRONMENTAL HAZARDS:

(If container is ≥ 5 gal., the following statement must appear on the label.)

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not discharge effluent containing this product into lakes, ponds, streams, 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.

(If container is <5 gal., use the following as an alternate to the above statement.)

This product is toxic to fish, aquatic invertebrates, oysters and shrimp.

DIRECTIONS FOR USE

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

Read these entire Directions for Use before using BIONIX GA4308.

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. BIONIX GA 4308 should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with BIONIX GA 4308. Under these conditions, blowdown should be discontinued for up to 24 hours. BIONIX GA 4308 can be used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, apply 12.7 to 25.5 fluid ounces of BIONIX GA 4308 per 1,000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 5.1 to 12.7 fluid ounces of BIONIX GA 4308 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.

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CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, apply 12.7 to 25.5 fluid ounces of BIONIX GA 4308 per 1,000 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2.6 to 12.7 fluid ounces of BIONIX GA 4308 per 1,000 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

BIONIX GA 4308 should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, and Pasteurizers and Warmers)

BIONIX GA 4308 should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks)

BIONIX GA 4308 should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 0.45 to 2.3 gallons (500 to 2,500 ppm BIONIX GA 4308) per 1,000 gallons of wastewater or sludge.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

BIONIX GA 4308 should be added to a papermaking system at a point of uniform mixing such as the thin or thick stock chest, save-all tank, process tank or white-water tank.

Initial Dose: When the system is noticeably contaminated, add 0.5 to 3.0 lbs. of BIONIX GA 4308 per ton or 0.15 to 1.5Kg of BIONIX GA 4308 per metric ton of pulp or paper (dry basis) as a continuous or slug dose. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

Subsequent Dose: When microbial control is evident, add 0.3 to 2.0 lb of BIONIX GA 4308 per ton or 0.15 to 1.0 kg of BIONIX GA 4308 per metric ton of pulp or paper (dry basis) as necessary to maintain control.

WATER BASED COATINGS, PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

NOTE: For use in non-food contact coatings only.

Use from 0.1 to 0.6 lbs. of BIONIX GA 4308 per 1,000 lbs. of dry powder to produce a concentration of 100 to 600 ppm as product (based on slurry solids) in the mixed slurry.

WATER FLOODS

BIONIX GA 4308 should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 100 to 5,000 ppm BIONIX GA 4308 to the system (0.09 to 4.5 gallons BIONIX GA 4308 per 1,000 gallons flood water). Repeat until control is achieved.

{Note to Reviewer: [Bracketed text] is optional.}

Subsequent Dose: When microbial control is evident, add 20 to 5,000 ppm BIONIX GA 4308 (0.02 to 4.5 gallons BIONIX GA 4308 per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

FRAC FLUIDS

[Product not registered for this use in the State of California]

BIONIX GA 4308 reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add BIONIX GA 4308 to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole. Dose Range: BIONIX GA 4308 should be added at a rate of 118 to 5,882 ppm (1.1 – 53.3 gals per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

BIONIX GA 4308 should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 50 to 1,000 ppm BIONIX GA 4308 (0.2 to 3.8 gallons BIONIX GA 4308 per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

Maintenance Dosage: Maintain a concentration of 50 to 1,000 ppm BIONIX GA 4308 by adding 0.2 to 3.8 gallons of BIONIX GA 4308 per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

BIONIX GA 4308 should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 50 to 600 ppm BIONIX GA 4308 (0.2 to 2.3 gallons BIONIX GA 4308 per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

OIL PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

[Product not registered for this use in the State of California]

BIONIX GA 4308 should be added to an oil production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of BIONIX GA 4308 throughout the entire internal pipeline surface by adding a sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the BIONIX GA 4308 with an appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

BIONIX GA 4308 should be added to a gas production or transmission pipeline via direct injection. The application should be conducted to ensure maximum distribution of BIONIX GA 4308 throughout the entire internal pipeline surface by adding a sufficient amount of biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the BIONIX GA 4308 with an appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

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GAS STORAGE WELLS AND SYSTEMS

Individual injection wells should be treated with a sufficient quantity of BIONIX GA 4308 to produce a concentration of 500 to 5000 ppm BIONIX GA 4308 when diluted by the water present in the formation. Injection should take place before gas is injected (during the summer). Injections should be repeated yearly, or as needed to maintain control.

Individual drips should be treated with a sufficient quantity of BIONIX GA 4308 to produce a concentration of 200 to 2000 ppm BIONIX GA 4308 when diluted by the water present in the drip. Injections should be repeated yearly, or as needed to maintain control.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 100 to 4,000 ppm BIONIX GA 4308 (0.09 to 3.6 gallons BIONIX GA 4308 per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add BIONIX GA 4308 to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig).

Sufficient BIONIX GA 4308 should be added to produce a concentration of 0.1 to 1% (0.09 to 0.9 gallon BIONIX GA 4308 per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture 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.

[For containers > 5 gallons] Triple rinse container or equivalent promptly after emptying. Triple rinse as follows. Fill the container ¼ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

[For containers ≤ 5 gallons] Triple rinse container or equivalent promptly after emptying. Triple rinse as follows. Fill the container ¼ full with water and recap. 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 back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling

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if available or puncture and dispose of in a sanitary landfill, or by incineration.

Refillable containers:

Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTIES AND WARRANTY DISCLAIMERS

Conditions of Sale: Isomeric Industries (“ISOMERIC”) warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to ISOMERIC. To the extent consistent with applicable law, ISOMERIC DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. To the extent consistent with applicable law, ISOMERIC SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, and ISOMERIC’s sole liability and Buyer’s and User’s exclusive remedy shall be limited to the refund of the purchase price. BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. ISOMERIC DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.