



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

EPA Reg. Number:

89110-29

Date of Issuance:

11/15/19

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

BIONIX DAZ24

Name and Address of Registrant (include ZIP Code):

Isomeric Industries
 3400 Research Forest Drive, Suite B4
 The Woodlands, TX 77381

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:

Date:

11/15/19

Kathryn V. Montague, Acting Product Manager (33)
 Regulatory Management Branch I,
 Antimicrobials Division (7510P)
 Office of Pesticide Programs

2. You are required to comply with the data requirements described in the DCI Order identified below:
 - a. GDCI-035602-1448 EPA-HQ-OPP-035602-29024

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. 89110-29.”
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 June 25, 2019

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

Enclosure: Accepted Label

ACCEPTED

11/15/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 89110-29

BIONIX DAZ24

Active Ingredient: Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione 24%
Inert Ingredients: 76%
TOTAL..... 100%

(ANTIMICROBIAL AGENT FOR INDUSTRIAL USE ONLY)

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. - Call a poison control center or doctor for treatment advice.
If on skin or clothing:	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15–20 minutes. - 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 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.
Have product container, label or label information with you when calling a poison control center or doctor or going for treatment.	
Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage. This product may pose an aspiration pneumonia hazard. The Toxicity Category I classification for primary eye irritation and primary dermal irritation may suggest the use of symptomatic treatment.	
Contact INFOTRAC at (800)-535-5053 for emergency medical treatment information. See side panel for additional precautionary statements	

EPA REG. NO. 89110-TBD EPA EST. NO.

Manufactured For:

ISOMERIC INDUSTRIES, INC.
3400 Research Forest Drive, Suite B-4
The Woodlands, Texas 77381

DIRECTIONS FOR USE

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

[*]PAPER MILL SLIME CONTROL; FOR THE CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA: BIONIX DAZ24 is added at a point in the system (raw stock chest; beater and/or refiner chest or machine chest-wirepit) where it will be uniformly mixed. Application may be continuous or intermittent for a certain number of hours per day or per shift, depending upon system characteristics. Add 5 to 20 fluid ounces of BIONIX DAZ24 per ton of paper produced. **INTERMITTENT FEED METHOD:** Apply 12 to 20 fluid ounces of BIONIX DAZ24 per ton (dry basis) of pulp or paper produced for 2 hours every 8 hours. Badly fouled process systems must be cleaned before initial treatment. **CONTINUOUS FEED METHOD:** Apply 5 to 15 fluid ounces of BIONIX DAZ24 per ton (dry basis) of pulp or paper produced on a continuous basis. Badly fouled process systems must be cleaned before initial treatment.

[*]OILFIELD DRILLING MUDS AND WORKOVER OR COMPLETION FLUIDS: FOR CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA: Determine the total volume of the circulating system. Calculate the number of gallons of BIONIX DAZ24 needed to produce a concentration of 2,080 ppm (0.73 lb/bbl) of BIONIX DAZ24 in the drilling mud circulating system. For example, 75 gallons of BIONIX DAZ24 per 1,000 barrels of drilling fluid will produce the proper concentration. For best results, add BIONIX DAZ24 in a thin stream to the mud pit while drilling fluid circulates. As the total volume increases due to greater well depth, add additional BIONIX DAZ24 to maintain the proper concentration. Because of the wide variation in drilling mud composition and bacterial contamination, greater or lesser amounts of the BIONIX DAZ24 may be prescribed.

[*]OIL AND GAS FIELD WATER TREATMENT AND WATER FLOODS: FOR CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA: Calculate the total volume of water to be treated. Using this volume, calculate the number of gallons of BIONIX DAZ24 needed to produce a concentration of approximately 2,500 ppm of BIONIX DAZ24. For example, 2.15 gallons of BIONIX DAZ24 per 1,000 gallons of total volume will produce this dilution. 350 ppm of BIONIX DAZ24 added each week is recommended to maintain bacterial control. This may be accomplished by adding 0.30 gallons of BIONIX DAZ24 to each 1,000 gallons of total volume. Because of the wide variation in waters found in the oil fields, greater or lesser amounts of BIONIX DAZ24 may be required in a particular location. **Once bacterial controls are established dose 600 ppm (5.00 pounds per 1,000 gallons) BIONIX DAZ24 weekly to maintain bacterial control.**

[*]OIL AND GAS PIPELINE AND TANK MAINTENANCE: For use in water bottoms in crude and refined hydrocarbon storage tanks, piping and transportation systems. Inject BIONIX DAZ24 directly into the water bottom or pipeline, or add to the hydrocarbon phase. Treat once daily for pipeline maintenance to once every one to two months for both storage and transportation systems. BIONIX DAZ24 should be applied to achieve 825-2,000 ppm in the aqueous phase. Add higher concentrations to the hydrocarbon phase, which will result in longer term protection by gradual diffusion into the water phase. Dose will depend on the volume of crude or oil and the expected water fraction.

[*]FOR THE PRESERVATION OF CLAY SLURRIES, ADHESIVES, COATINGS AND HIGH VISCOSITY SUSPENSIONS: For preservation of slurries and high viscosity suspensions, BIONIX DAZ24 must be added at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. Add BIONIX DAZ24 at use levels of 0.04 - 0.11% (400 ppm to 1,100 ppm) by weight, based on the total formulation in slurries of starch, clay, calcium carbonate or titanium dioxide; paper coatings; high viscosity suspensions (e.g. polymers, silica-polymer combinations); polyvinyl alcohol/polyvinyl acetate based adhesives; starch based adhesives; dextrin based adhesives. The exact amount of material to be added for the preservation of any given formulation will depend on the components and local storage conditions. Dosage rates should be determined by actual test.

[*]FOR THE PRESERVATION OF CONSTRUCTION MATERIALS: For preservation of concrete, concrete admixtures and additives, caulking and caulking compounds, construction adhesives and masonry. BIONIX DAZ24 must be added at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. Add BIONIX DAZ24 at use levels of 0.04 - 0.38% (400 ppm to 3,800 ppm) by weight, based on the total formulation. The exact amount of material to be added for the preservation of any given formulation will depend on the components and local storage conditions. Dosage rates should be determined by actual test.

[*]RECIRCULATING COOLING WATER SYSTEMS: FOR CONTROL OF ALGAE, FUNGI, AND SLIME-FORMING BACTERIA: Dosages for industrial recirculating cooling water systems will depend on the conditions of the system prior to treatment initiation. Systems which are heavily contaminated must be cleaned first. Apply BIONIX DAZ24 to the cleaned system or when growth is first noticed according to the following schedule. **INITIAL DOSAGE:** Apply 3.25 - 6.5 fluid ounces (30-60 ppm) of BIONIX DAZ24 per each 1,000 gallons of water in the system. This dosage may be as a continuous treatment or applied once, twice, or three times weekly, or as required to control the growth of slime forming organisms. **SUBSEQUENT DOSAGE:** When microbial control is evident, add 0.5 - 3.25 fluid ounces (5-30 ppm) of BIONIX DAZ24 per 1,000 gallons of water in the system as a continuous treatment daily or every 3 days or as required to maintain control.

[*Uses are not registered in California]

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through skin or inhaled. Do not breathe vapors. Harmful if swallowed. All handlers must wear protective eyewear: goggles or face shield. Coveralls over long-sleeved shirt and long pants, socks and chemical resistant footwear. Chemical-resistant gloves (such as any waterproof material Selection Category A). Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS: User should remove clothing/PPE 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 and change into clean clothing.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not apply (or use) in estuarine oil fields where drilling fluids (muds) are discharged in the surface water. 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.

PHYSICAL OR CHEMICAL HAZARDS: Do not use, spill, pour or store near open flame. Incompatible with oxidizing agents. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

STORAGE AND DISPOSAL

Nonrefillable container. Do not reuse or refill this container.
Do not contaminate water, food, or feed by storage or disposal

STORAGE: Protect from freezing and temperatures in excess of 140°F. Keep container closed when not in use. If contents are spilled or leaked due to container damage, collect liquid with absorbent material and dispose of in accordance with local, state and federal pesticide disposal regulations.

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 directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple or pressure rinse container (or equivalent) promptly after emptying. For containers 5 gallons or less – Triple Rinse as follows: Fill container ¼ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. For containers larger than 5 gallons – Clean container promptly after emptying. Triple Rinse as follows: Fill the container ¼ 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. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times.

Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.

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.

LOT#: _____

NET WT.: _____ Pounds DENSITY: 9.7LBS/GAL

**UN3266, CORROSIVE LIQUID, BASIC, INORGANIC,
N.O.S.,(Sodium Hydroxide),8, PGII**