



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

EPA Reg. Number:

89110-16

Date of Issuance:

6/15/18

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Bionix CP60

Name and Address of Registrant (include ZIP Code):

Isomeric Industries  
 361 17<sup>th</sup> Street NW #1224  
 Atlanta, GA 30363

SENT TO:

Robert Rosenwasser  
 Agent for Isomeric Industries  
 c/o RR Consulting Services Inc  
 273 Althea Avenue  
 Morrisville, PA 19067

**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:

Jacqueline Hardy  
 Product Manager 34  
 Regulatory Management Branch II  
 Antimicrobials Division (7510P)

Date:

6/15/18

2. You are required to comply with the data requirements described in the DCI Order identified below:
  - a. Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]  
GDCI-069183-30193
  - b. Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]  
GDCI-069183-1581

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI Order 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. 89110-16.”
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 01/24/2018
- Alternate CSF 1 dated 01/24/2018

If you have questions, please contact Srinivas Gowda by telephone at 703-308-6354 or by e-mail at [gowda.srinivas@epa.gov](mailto:gowda.srinivas@epa.gov).

Sincerely,



Jacqueline Hardy  
Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Stamped accepted label

**ACCEPTED**  
 06/15/2018  
 Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 89110-16

# BIONIX CP60

**Active Ingredient:**  
 Poly[oxyethylene (dimethyliminio) ethylene-(dimethyliminio) ethylene dichloride]:..... 60.0%  
**Other Ingredients:** ..... 40.0%  
**Total:** ..... 100.0%

EPA Reg. No. 89110-RA EPA Est. NET CONTENTS: As Marked on Container

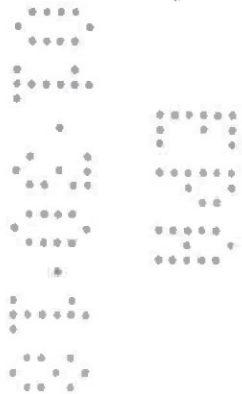
**KEEP OUT OF REACH OF CHILDREN  
 CAUTION**

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center for further treatment advice.</li> </ul>
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

[See side panels for additional Precautionary Statements]

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

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





## PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Wear chemical-resistant eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash clothing before reuse.

### ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water 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.

### DIRECTIONS FOR USE

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

**FOR DETAILED DIRECTIONS FOR USE, PLEASE REFER TO THE ISOMERIC INDUSTRIES LABEL SUPPLEMENT. Read these entire Directions for Use before using BIONIX CP60.**

### RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

Prior to the use of This product in cooling towers, clean the systems to remove algal growth, microbiological slime and other deposits. Then make an initial slug addition of 0.9 to 2.2 fluid ounces of This product per 1000 gallons of water to provide 8 to 20 ppm This product based on the total weight of water in the system. Repeat initial dosage until control is evident. Make subsequent slug additions of 0.2 to 2.2 fluid ounces of This product per 1000 gallons of water (2 to 20ppm This product) every 2 to 5 days or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Make slug additions in the sump of water cooling towers.

### NON-POTABLE INDUSTRIAL FRESH WATER SYSTEMS

This product is used to control the growth of algae, bacteria and fungi in hold and processing tanks of industrial fresh water systems supplying water to pulp and paper mills and other manufacturing plants. In such systems, it is employed as a replacement for or supplement to the conventional treatment with chlorine or chlorine compounds. In pulp and paper mills, treatment of the fresh water with This product makes an important contribution to slime control. The use of This product as described, reduces the development of slime in fresh water pipes, fresh water spraying nozzles, and on the pulp and paper mill machine parts contacted by fresh water. However, do not use This product as the primary microbicide for pulp and paper mill slime control since absorbents such as wood pulp rapidly absorb the product and greatly reduce its concentration in the circulating water. This product is added at the rate of 1 to 11 fluid ounces of BIONIX CP60 per 10,000 gallons of water to provide a concentration of 1 to 10 ppm this product. Treatment is made continuously and is based on the amount of water entering the intermediate processing operations. In some cases, regular treatment periods of several hours each day will provide adequate control of the microorganisms.



## **AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS**

This product is used to control bacteria in industrial air washing systems that maintain effective mist eliminating components. Prior to its use, clean the systems to remove bacterial slime and other deposits. The typical initial slug dose is 3.33 to 5.55 fluid ounces of This product per 1000 gallons of water. Repeat initial dosage until control is evident. Make subsequent slug additions of 2.25 to 5.55 fluid ounces of This product per 1000 gallons of water each 1 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and severity of the bacterial problem. Make slug additions into the sump or into the water collection trays of the airwash system.

## **SWIMMING POOLS, SPAS, WHIRLPOOLS AND HOT TUBS**

For maximum effectiveness of BIONIX CP60 in swimming pools, heated swimming pools, exterior spas, whirlpools, and hot tubs, clean those systems with heavy growth of algae prior to using This product.

For pools having just visible algae growth, add an initial dose of 11 to 17 fluid ounces of This product per 10,000 gallons of water and remove settled algae debris by cleaning. For treatment of a freshly cleaned and filled pool, add initially 6 to 11 fluid ounces of This product per 10,000 gallons of water. To maintain pools free of visible algae growth, make subsequent additions of 2 to 4 fluid ounces of This product per 10,000 gallons of water every 5 to 7 days after the initial treatment. Uniform distribution of This product throughout the water in the pool is necessary for maximum effectiveness. BIONIX CP60 is compatible with those chemicals normally used to treat pools and is effective at both acid and alkaline pH. BIONIX CP60 can be used in pools treated with chlorine chemicals and may reduce the amount of those chemicals normally required. However, do not mix BIONIX CP60 with concentrated dry or liquid chlorine products.

## **DECORATIVE FOUNTAINS**

BIONIX CP60 is used to control the growth of algae in fresh or recycled water features, ponds, lined reservoirs for non-potable uses that do not contain fish. Clean systems containing heavy growths of algae or other deposits prior to treatment. Systems with just-visible algae growth require an initial dose of 1.0 to 2.0 fluid ounces of BIONIX CP60 per 1000 gallons of water in the system. To treat a freshly cleaned and filled system, add 0.5 to 1.5 fluid ounces of BIONIX CP60 per 1000 gallons of water. Maintenance dosages of 0.2 to 0.5 fluid ounces of BIONIX CP60 per 1000 gallons of water must be added as needed every 5 to 7 days, or on a continuous basis for larger systems. Additions of BIONIX CP60 must be made at a point to ensure uniform distribution throughout the system. BIONIX CP60 may be used in systems treated with chlorine chemicals and may reduce the amount of those chemicals normally required, but do not mix BIONIX CP60 with concentrated dry or liquid chlorine products.

## **AQUARIUM WATER SYSTEMS**

Add 1 ml to 480 ml according to volume of water. Dosage may be repeated if needed every three days for up to three total dosages, then clean the aquarium of dead algae. For regular maintenance, use as algae starts to reappear. Do not use in newly established aquariums less than three months old. Do not use in aquariums with invertebrates or crustaceans e.g. crabs, shrimps or crayfish.

## **PAPER MANUFACTURE**

This product will retard microbial growth that causes degradation of cooked starch used in paper manufacture. BIONIX CP60 is added at a rate of 25-250ppm based on the total weight of the starch and water. The treatment rate necessary to retard spoilage of the starch will vary with the extent of contamination of the make-up water and the length of storage.

**NOTE:** Do not use in paper and paperboard that will contact food.



## **CUTTING FLUIDS**

For preservation of cutting fluids, add 0.01 to 0.10% of This product, based on the total weight of the diluted cutting fluid. In some cases, This product can be added to the concentrated fluids. In these cases, add BIONIX CP60 at such an amount to where the final concentrations of 0.01 to 0.1% are obtained when the concentrated fluid is diluted with water for use in metalworking operations. For continued protection against bacterial degradation, repeat the treatment of the diluted cutting fluid every four weeks. More frequent treatment may be necessary if excessive contamination of the particular cutting fluid system occurs.

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal. Do not ship with Food, Feed, Drugs, or Clothing.

### **PESTICIDE STORAGE**

Product should be stored in an area that is not subject to extreme temperatures. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Do not store or transport in unlined metal container.

### **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 HANDLING**

(For plastic containers, less than or equal to 5 gallons)

Nonrefillable container. Do not reuse or refill this container. Triple or pressure rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for the later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures if approved by state and local authorities.

((For plastic containers greater than 5 gallons)

[Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip.

Fill container  $\frac{1}{4}$  full with water. Recap 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 the procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.]

## **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.