



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 27, 2017

Jeff Jones  
Agent, Clarion Water, LLC  
c/o Delta Analytical Corp.  
12510 Prosperity Drive, Suite 160  
Silver Spring, MD 20904

Subject: Label Amendment – Adding use sites and alternate brand names  
Product Name: loMax Recharge  
EPA Registration Number: 91282-2  
Application Date: December 9, 2016  
Decision Number: 524815

Dear Mr. Jones:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one 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 its implementing regulation at 40 CFR 152.3.

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.

The following alternate brand names have been added to the product record:

- loMax

- loMax Aqueous Iodine

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, you may contact Donna Kamarei at (703)347-0443 or via email at [Kamarei.donna@epa.gov](mailto:Kamarei.donna@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Wanda G. Fuller, for". The signature is written in a cursive style.

Demson Fuller, Product Manager 32  
Regulatory Management Branch II  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure

## Precautionary Statements

### Hazards to Humans and Domestic Animals

DANGER. CORROSIVE. Crystal iodine causes irreversible eye damage and skin burns. May be fatal if swallowed or inhaled. Harmful if absorbed through the skin. Do not get in eyes, or on skin or on clothing. Do not breathe dust. When handling crystal iodine, wear protective eyewear (goggles, face shield or safety glasses) and protective clothing (coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, and gloves). 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.

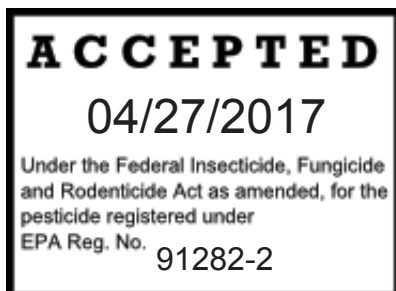
### Environmental Hazards

Iodine In crystal form is toxic to fish. 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 treatment Board or Regional Office of the EPA.

### Physical and Chemical Hazards

Do not store or ship in the presence of ammonia. This product will form explosive nitrogen iodides when contacted with liquid ammonia, aqueous ammonia solutions such as household ammonia or alkaline solution of ammonium salts.

EPA Reg. No. 91282-  
EPA Est. No. xxxxx-xx-xxx



## IoMax™ Recharge

[Alternate Brand Names to be added:  
IoMax™ and IoMax™ Aqueous Iodine]

FOR INDUSTRIAL, COMMERCIAL AND AGRICULTURAL USE  
ONLY

### Net Contents:

ACTIVE INGREDIENT:	
Iodine:.....	99.9%
OTHER INGREDIENTS:.....	0.1%
TOTAL:	100.0%

Keep Out of Reach of Children

## DANGER

See Side Panel for Additional Precautionary Statements

### FIRST AID

**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 advice.

**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 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 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 do so by a poison control center or doctor. Do not give anything to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may contact poison control center at 1-800-222-1222 for emergency medical treatment information.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

Manufactured by:  
Clarion Water Inc.  
3530 W. Garry Ave.  
Santa Ana, CA 92704  
714 352-2300

## Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. Storage: Keep IoMax™ Recharge canister tightly closed. Store in a dry place. Do not store in the presence of ammonia.

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.

Canister Handling: Refillable container. This container to be refilled with iodine only. Do not reuse this container for any other purpose. Clarion is responsible for cleaning the container before refilling and final disposal. Do not throw expended IoMax™ Recharge canisters in the trash. Contact your Clarion rep for collection and disposal.

### Directions for Use

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

**For Direct Injection Systems:** Deliver metered IoMax™ via Clarion direct injection dosing appliance, installed and calibrated by Clarion authorized personnel, utilizing pre-configured concentrations and application frequency.

**For Batch Systems:** Produce IoMax™ via Clarion batch dosing appliance, installed and calibrated by Clarion authorized personnel and discharge into Clarion-approved secondary container. Keep full storage containers sealed when not in use.

**General Guidelines:** Install IoMax™ Recharge canister into Clarion Aqueous Iodine Dosing System unit as explained in the Clarion Aqueous Iodine Dosing System Operating Instructions. Adjustments can be made manually in the touch screen interface to achieve iodine concentrations specified per application. Clarion Aqueous Iodine Dosing Systems can achieve

dosing concentrations between 2 and 220 ppm. loMax™ canisters may only be changed by certified Clarion technicians.

## APPLICATION INFORMATION

### FOR SANITIZING POULTRY DRINKING WATER:

Use Clarion Aqueous Iodine Dosing System to achieve a concentration of 6 to 16 ppm within drinking water system. Do not use this product together with other water treatments.

### FOR SANITIZING LIVESTOCK DRINKING WATER & NON-POTABLE FARM WATER SYSTEMS:

Use Clarion Aqueous Iodine Dosing System to achieve a concentration of 6 to 16 ppm within drinking water system. Do not use this product together with other water treatments

### LIVESTOCK BARN & TRANSPORTATION

**VEHICLES:** Utilize a solution containing 25 ppm titratable iodine.

1. Remove all livestock from premises, trucks, coops and crates.
2. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by livestock.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes.
6. Ventilate buildings, coops and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried.
7. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

### FOR SANITIZING MILKING EQUIPMENT, CLAW SYSTEMS, TEAT CUPS AND DAIRY UTENSILS:

Immediately after milking, flush milking equipment and utensils with lukewarm (100°F, 38°C) water to wash out all milk. Take apart milking machines and

immerse air hoses, inflations, metal parts (except pulsator) and utensils in a solution containing 25 ppm titratable iodine. Brush all parts thoroughly. Drain completely, rinse with water and allow to air dry. After emptying bulk tanks, flush tanks thoroughly with 100°F (38°C) water to wash out all milk. Allow wash solution to drain, rinse with water and allow rinse water to adequately drain.

**SANITIZING FOOD-GRADE EGG SHELLS:** Coarse spray previously cleaned food-grade eggshells with a solution containing 25 ppm titratable iodine. Solution temperature should be warmer than the eggs, but not to exceed 130°F (53°C). Wet eggs thoroughly for 1 minute and allow to drain. Eggs should be reasonably dry before casing or breaking. Do not reuse solution to sanitize eggs.

**RETORT COOLING WATER:** Utilize an loMax™ solution containing 12.5 – 25 ppm to control slime, and odor causing bacteria. Add prior to starting up operation and as needed thereafter to maintain a titratable iodine reading of 12.5 - 25 ppm in the cooling water.

**HVAC UNITS:** Use an loMax™ solution containing 12.5 - 25 ppm to clean and sanitize cooling coils, heating coils, and drain pans. This sanitization claim does not include use in air ducts. If heavy deposits are present, remove before applying. Allow 10 minutes contact time. Rinse with water.

**DEODORIZING:** loMax™ destroys many odors as it sanitizes and disinfects. For general deodorant applications (garbage pails, refuse containers, landfills, recycling centers, etc.), swab surface to be treated with an loMax™ solution containing 200 ppm titratable iodine. Allow treated surface to adequately drain.

**GENERAL FARM PREMISES:** For general cleaning of farm premises use an loMax™ solution containing 12.5 ppm titratable iodine. Thoroughly rinse down all surfaces.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Manufacturer and Seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Manufacturer, and Buyer and User assume the risk of any such use. MANUFACTURER AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall Manufacturer or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF MANUFACTURER AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF MANUFACTURER OR SELLER, THE REPLACEMENT OF THE PRODUCT. Manufacturer and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Manufacturer.