



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

EPA Reg. Number:

71173-6

Date of Issuance:

11/27/19

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

MC B-8650A

Name and Address of Registrant (include ZIP Code):

Abigail T.D. Wacek  
 Regulatory Consultant  
 Multi-Chem Group, LLC  
 3000 N Sam Houston Parkway East  
 Houston, TX 77032

**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:

Sincerely,

Kathryn Montague, Acting Product Manager 33  
 Regulatory Management Branch 1  
 Antimicrobials Division (7510P)  
 Office of Pesticide Programs

Date:

11/27/19

2. You are required to comply with the data requirements described in the DCI identified below:
  - a. Glutaraldehyde GDCI-043901-1668

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. 71173-6.”
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 11/14/2019

If you have any questions, please contact Jake McFarley by phone at (703) 347-0123, or via email at [McFarley.Jake@epa.gov](mailto:McFarley.Jake@epa.gov).

Enclosure: Master Label

# MC B-8650A

An effective Microbiocide for use in controlling Bacteria including Slime Forming Bacteria and Sulfate-Reducing Bacteria, Fungi (Yeast and Molds) and Algae in Air washers and Industrial Scrubbing Systems, Recirculating Cooling and Process Water Systems including those that contain Reverse Osmosis Mem-branes and Service Water and Auxiliary Systems, Heat Transfer Systems, Wastewater Systems including Wastewater Sludge and Holding Tanks, and for use in Preserving Aqueous-Based Solutions, Slurries and Emulsions and in Oil Well Drilling, Oil Field Processing Applications, Oil Field Water Systems, Oil and Gas Production and Transmission Pipelines and Systems, and Gas Storage Fields and Equipment; such as Steam-Injection Water Holding Tanks, Flood Water, Fracturing Fluids, Injection Water, Holding Pond Water, Disposal-Well Water, Water Holding Tanks, Fuel Storage Tanks and related Refinery and Oil Field Closed, Industrial Recirculating Water Handling Systems.

## KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed or inhaled or harmful if absorbed through the skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear a minimum of NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powdered air purifying respirator with a HE filter. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking and chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

### ENVIRONMENTAL HAZARDS

This pesticide 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 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.

### AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PRO-CESS WATER SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components.

MC B-8650A 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 MC B-8650A. Under these conditions, blowdown should be discontinued for up to 24 hours.

MC B-8650A 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 11.3 to 22.6 fluid ounces (100 to 200 ppm product) of MC B-8650A per 1,000 gallons of water in the system or 89 to 176 mL of MC B-8650A per 1,000 liters of water in the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 4.5 to 11.3 fluid ounces (40 to 100 ppm) of MC B-8650A per 1,000 gallons of water in the system weekly, or 35 to 89 mL of MC B-8650A 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.

### CONTINUOUS FEED METHOD

**Initial Dose:** When the system is noticeably fouled, apply 11.3 to 22.6 fluid ounces (100 to 200 ppm product) of MC B-8650A per 1,000 gallons of water in the system, or 89 to 176 mL of MC B-8650A per 1,000 liters of water in the system.

**Subsequent Dose:** When microbial control is evident, add 4.5 to 11.3 fluid ounces (40 to 100 ppm) of MC B-8650A per 1,000 gallons of water in the system weekly, or 35 to 89 mL of MC B-8650A 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.

### SERVICE WATER AND AUXILIARY SYSTEMS

MC B-8650A 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)

MC B-8650A 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.

Multi-Chem Group, LLC  
MC B-8650A (71173-A)

### ACTIVE INGREDIENTS:

Glutaraldehyde.....50.0%  
**OTHER INGREDIENTS:** .....50.0%  
**TOTAL:** .....100.0%

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. Call a poison control center or a doctor immediately 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 a doctor for treatment advice.
If Inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or a 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 by a poison control center or doctor. Do not give anything to an unconscious person.
<b>NOTE TO PHYSICIAN:</b> Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.	
Have the MSDS and the product container or label with you when calling a poison control center or a doctor, or going for treatment.	
<b>IN CASE OF AN EMERGENCY</b> endangering life or property involving this product, call 1-866-519-4752 or 1-760-476-3962. Global Incident Response Access Code: 334305 Contract Number: 14012	

### SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

### EPA Reg. No. 71173-A EPA Est.:

<input type="checkbox"/> 71173-TX-002	<input type="checkbox"/> 71173-PA-001	<input type="checkbox"/> 71173-TX-009
<input type="checkbox"/> 71173-LA-001	<input type="checkbox"/> 71173-TX-006	<input type="checkbox"/> 71173-TX-010
<input type="checkbox"/> 71173-TX-004	<input type="checkbox"/> 71173-TX-007	<input type="checkbox"/> 71173-TX-011
<input type="checkbox"/> 71173-TX-003	<input type="checkbox"/> 71173-WV-001	<input type="checkbox"/> 71173-TX-012
<input type="checkbox"/> 71173-CA-001	<input type="checkbox"/> 71173-PA-002	<input type="checkbox"/> 71173-TX-008
<input type="checkbox"/> 71173-CO-001	<input type="checkbox"/> 71173-OK-002	<input type="checkbox"/> 71173-ND-001
<input type="checkbox"/> 71173-LA-002	<input type="checkbox"/> 71173-OK-001	<input type="checkbox"/> 71173-UT-001
	<input type="checkbox"/> 71173-LA-002	<input type="checkbox"/> 71173-UT-002

### NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing  
TRANSPORTATION INFORMATION

# UN2922

Corrosive Liquid, Toxic, N.O.S. (Glutaraldehyde), 8 (6.1), PG II,  
This section is for US DOT use only and is not part of the EPA approved

<b>Net Contents:</b>	text
<b>NET WT:</b>	
<b>LOT NO:</b>	

Multi-Chem Group, LLC 3000 N. Sam Houston Parkway E. Houston, TX 77032 281-871-4000 (Non Emergency Telephone Number)	Emergency Contact Number (24 Hours Per Day): 1-866-519-4752 or 1-760-476-3962 Global Incident Response Access Code: 334305 Contract Number: 14012
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**multi-chem**  
A HALLIBURTON SERVICE

**ACCEPTED**  
11/27/2019  
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under  
EPA Reg. No. 71173-6

### WATER FLOODS

MC B-8650A 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 MC B-8650A to the system (0.09 to 4.4 gallons MC B-8650A per 1,000 gallons flood water). Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 20 to 5,000 ppm MC B-8650A (0.02 to 4.4 gallons MC B-8650A 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.**

MC B-8650A reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add MC B-8650A to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole.

Dose Range: MC B-8650A should be added at a rate of 100 to 5,000 ppm (0.9 – 44 gallons per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

### FRACKING, DRILLING, COMPLETION, AND WORKOVER FLUIDS

MC B-8650A 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 MC B-8650A (0.2 to 3.7 gallons MC B-8650A 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 MC B-8650A by adding 0.2 to 3.7 gallons of MC B-8650A per 100 barrels of additional fluid, depending on the severity of contamination.

### PACKER FLUIDS

MC B-8650A should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 50 to 600 ppm MC B-8650A (0.2 to 2.2 gallons MC B-8650A per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the well between the casing and production tube.

### OIL PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

MC B-8650A should be added to an oil production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of MC B-8650A 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 MC B-8650A with an appropriate solvent immediately before use. The concentration in the solvent should not fall below range of 1,000 to 10,000 ppm of MC B-8650A 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

MC B-8650A should be added to a gas production or transmission pipeline via direct injection. The application should be conducted to ensure maximum distribution of MC B-8625 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 MC B-8650A with an appropriate solvent immediately before use. The concentration in the solvent should not fall below range of 1,000 to 10,000 ppm of MC B-8650A based on the volume of water in the pipeline. Injections to the system should be weekly, or as needed to maintain control.

### GAS STORAGE WELLS AND SYSTEMS

Individual injection wells should be treated with a sufficient quantity of MC B-8650A to produce a concentration of 500 to 5,000 ppm MC B-8650A 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 dips should be treated with a sufficient quantity of MC B-8650A to produce a concentration of 200 to 2,000 ppm MC B-8650A 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 B-8650A (0.9 to 3.5 gallons B-8650A per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

### PIPELINE PIGGING AND SCRAPING OPERATIONS

Add MC B-8650A 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 MC B-8650A should be added to produce a concentration of 0.1 to 1% (0.09 to 0.88 gallons MC B-8650A 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 or disposal.

**PESTICIDE STORAGE:** MC B-8650A is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. MC B-8650A can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -6° F (-21° C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100° F (37.8° C) can be tolerated but the preferred maximum storage temperature is about 60° F (26.7° C). A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® Polymer is suitable for gaskets and packing. Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

**PESTICIDE DISPOSAL:** Open dumping is prohibited. Pesticide wastes are toxic. 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 your 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. 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. 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this 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.

**BEFORE HANDLING OR USING THIS PRODUCT, SEE YOUR EMPLOYER AND READ CURRENT MATERIAL SAFETY DATA SHEET.**

### LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

A572 - October 23, 2018, Label Version (4), November 25, 2019

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