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

NOTICE OF PESTICIDE:
_X_ Registration
___ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	Date of Issuance:
103205-8	8/11/25

Term of Issuance:
Conditional

Name of Pesticide Product:
HO Bio GQ 050100

Name and Address of Registrant (include ZIP Code):

Brian Hogan
Hiroo Onada LLC
Electronic Transmittal: brian@eparegistration.com

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 (FIFRA).

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:

Luisa C. Samalot-Freire, Product Manager 31
Regulatory Management Branch I, Antimicrobials Division
(7510P)

Date:
8/11/25

EPA Form 8570-6

2. *Include this text if there is a DCI or EDSP Order; otherwise, delete this section.* You are required to comply with the data requirements described in the DCI or EDSP Order identified below:

    a. ADBAC: GDCI-069105-30882, GDCI-069105-1679
    b. Glutaraldehyde: GDCI-043901-30859

    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): https://www.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobials-division

3. Make the following label changes before you release the product for shipment:

    - Revise the EPA Registration Number to read, "EPA Reg. No. 103205-8."

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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). 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) lists 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, FIFRA section 12(a)(1)(B). 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 Assurance.

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 10/11/2023
- Alternate CSF#s 1 and 2 dated 07/28/2025

If you have any questions, please contact Samalot.Luisa@epa.gov or Oiguenblik.Emilia@epa.gov.

Enclosure: Stamped label

{Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.}

EPA REGISTRATION NO 103205-I E.P.A. Est No. XXXX-XX-XXX

HO Bio GQ 050100

HO Bio GQ 050100, a biocide that transcends industries with its exceptional fixation, preservation, and non-public health water treatment capabilities. Crafted for reliability and effectiveness, HO Bio GQ 050100 offers water system management across non-public health, laboratory, and water treatment sectors. Its leather-tanning potential enhances product quality. Additionally, it plays a vital role in lumber treatment, preventing decay and extending the lifespan of timber products. Furthermore, HO Bio GQ 050100 can be used in the management of water-cooling towers, preventing biofouling and ensuring optimal cooling system performance. In the oil and gas industry, it acts to control microbial growth in all phases of exploration, completion, and production where water-based fluids are utilized. Whether you're a researcher, or an industrial leader, HO Bio GQ 050100 helps to deliver peace of mind in your critical applications. Unleash its potential and experience excellence in preservation, and non-public health water treatment across diverse industries. Formulators using this product are responsible for providing data for the EPA registration of their formulated products.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
KEEP OUT OF REACH OF CHILDREN

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled.Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing. Do not breathe (vapor or spray mist). Wear appropriate protective eyewear such as goggles, face shield, or safety glasses. Wear a minimum of a NIOSH approved elastomeric half mask respirator with organic vapor (OV) cartridges and a combination R, or P filter; OR a NIOSH approved gas mask with OV canisters; OR a NIOSH-approved powered air-purifying respirator with OV cartridges and combination HE filters. Wear coveralls over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical resistant gloves, and chemical-resistant apron when mixing and loading. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. 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 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 mix with other chemicals. Mix only with water.

Net Contents:

NET WT:®

LOT:

ACCEPTED
08/11/2025
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 103205-8

Active Ingredient:

Glutaraldehyde	**5%**
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	**10%**
Other ingredients	**85%**
Total:	**100%**

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

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 by mouth-to-mouth, if possible.** • **Call a poison control center or doctor for 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 by mouth to an unconscious person.**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. - For medical emergencies, call the poison control center at 1-800-222-1222. - For general information on this product, call US: 1-800-535-5053, International: 352-323-3500, or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at http://npic.orst.edu

NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE: Store only in the original tightly closed container in a dry place between 50° and 120°F. Store in locked and well-ventilated area away from persons unfamiliar with this product's proper use. Keep away from heat, sparks, and open flame.

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 Non-Refillable Containers 5 Gallons or Less} Nonrefillable container. Do not reuse or refill this container. 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for 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 puncture and dispose of in a sanitary landfill, or by incineration.

{For Non-Refillable Containers Larger than 5 Gallons} Nonrefillable container. Do not reuse or refill this container. Triple Rinse as follows: Empty 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 if available or puncture and dispose of in a sanitary landfill, or by incineration.
{For Refillable Containers} Refillable Container. 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. Return to point of sale or offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities."

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.

Produced for

HIROO ONADA

8115 Loop 540, Beasley, TX 77417

+1-855-346-6742

EPA REGISTRATION NO 103205-I
E.P.A. Est No. XXXX-XX-XXX

Active Ingredient:

Glutaraldehyde…….. 5%

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

Other ingredients…. ……..85%

Total: ……100%

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Please read the entire label and use strictly in accordance with precautionary statements and directions before using HO Bio GQ 050100.
Do not use water containing residues from use of this product to irrigate crops for food or feed.

WATER TREATMENT
Do not use water containing residues from use of this product to irrigate crops for food or feed.
(Note to Reviewer: The following sentence must be used with the air washer use listed in the direction:)
This product is used only in industrial air washers and air washers systems which have mist-eliminating components.

AIR WASHERS, INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING WATER TOWERS, RETORT WATER SYSTEMS, EVAPORATIVE CONDENSERS, HEAT EXCHANGE TRANSFER WATER SYSTEMS, DAIRY SWEETWATER SYSTEMS, HYDROSTATIC STERILIZERS, PASTEURIZERS AND WARMERS:

For best results, clean heavily contaminated systems
before treatment with this product. If soap or anionic detergent is used, rinse thoroughly before charging with this algaecide. Cooling
tower waters that are inherently low in algae growth and bacteria count may be adequately controlled by the lower range of these
dosages. Repeat every seven days or increase frequency if needed. Should slime develop again, repeat initial dosage.

1. Dosing Location: This product is to be applied at a point in the system where it will be uniformly mixed, such as the basin area,
the sump, or another reservoir or collecting area.

2. Dosing Conditions: This product must be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired. Tower bleed off valves must be closed to permit a retention time of 4 hours.

3. Method of Application:

a. INTERMITTENT OR SLUG METHOD
Initial Dose: When the system is noticeably fouled, apply 42.7 to 85.3 oz. of this product per 1,000 gal. of water (50 to 100 ppm active) in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 17.1 to 42.7 oz. of this product per 1,000 gal. of water (20 to 50 ppm active) in the system weekly or as needed to maintain control.

b. CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled apply 42.7 to 85.3 oz. of this product per 1,000 gal. of water (50 to 100 ppm) active in the system.

Subsequent Dose: Maintain this treatment by starting a continuous feed of 8.53 to 42.67 oz. of this product per 1,000 gal. of water (10 to 50 ppm active) lost by blowdown.

AUXILIARY SYSTEMS AND SERVICE WATER:

Add 17.1 to 85.3 oz. of this product per 1,000 gal. of water (20 - 100 ppm active) in the system continuously. This product must be added to the system at a point of uniform mixing by slug or intermittent feed or by spraying onto a waste pile. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additions to water systems must be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

INDUSTRIAL WASTEWATER SYSTEMS

Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks
This product is added to a wastewater system or sludge at a convenient point of uniform mixing such as digester. Add 1.7 to 8.3 gal. of this product per 1,000 gal. of wastewater or sludge (250 to 1250 ppm active).

OIL FIELD, GAS PRODUCTION AND TRANSMISSION PIPELINE AND SYSTEMS

Specific treatment requirements vary among oil and/or gas field sites and subsystem components. Oil field fluids and subsystems most commonly requiring microbial contamination control are raw water sources, separators, ballasts, storage and mixing tanks, screens, surface injection equipment, production equipment (such as injection and production piping casting, completion and valving) and the formation itself. The primary point of treatment will vary among oil and/or gas field operations depending on the site problems, water-flood treatment methods and equipment. This product must be added where it will disperse rapidly and uniformly to the desired area of treatment. Additions of this product must be made with the proper type of metering pump equipment, suction (low pressure) side of pumping equipment or similar device. This product must be added to the system by slug, continuous or on an intermittent basis, depending on the degree of system fouling.

OIL FIELD WATER FLOOD OR SALTWATER DISPOSAL SYSTEM AND FRACTURING FLUIDS:

This product must be added to the water flood or saltwater disposal system at a point of uniform mixing. 1. 2. 3. Continuous Use: Add 3.3 – 196.7 gal. of this product per 10,000 gal. of water (50 - 2950 ppm active) to control slime forming and sulfate reducing bacteria. Levels for effective control will vary depending on conditions at the site. Intermittent Use: Add at a rate of 3.3 – 196.7 gal. of this product per 10,000 gal. of water (50 - 2950 ppm active) for 4 to 8 hrs. per day, one to four times a week as needed to maintain control. Treatment of flow back return water (Post Hydraulic Fracturing): Dose at a rate of 3.3 – 196.7 gal. of this product per 10,000 gal. of water of water (50 - 2950 ppm active) for 4 – 8 hours per day, one to four times a week as needed to maintain control.

[FRACTURING FRAC] FLUIDS:

Add this product to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole. Dose Range: Add 3.3 to 196.7 gal. of this product per 10,000 gal. of water (50 to 2950 ppm active) to control slime forming and sulfate reducing bacteria. Levels for effective control will vary depending on conditions at the site.

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS:

For the control of sulfate-reducing bacteria and slime forming bacteria, this product must be added to a gas production or transmission pipeline via direct injection at a point where uniform and maximum distribution will occur. The application must be conducted to ensure maximum distribution of the product through the internal surface of the pipeline by adding an amount of biocide which eventually comes out the other end of the pipeline. Criteria for success of the treatment will be reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it is desirable to dilute the product with an appropriate solvent immediately before use. The concentration in the solvent must not fall below an active concentration range of 500 - 5000 ppm active based on the volume of water in the pipeline. Injections to the system must be made weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS:

Treat Individual injection wells with 1.7 – 16.7 gal. of this product per 1000 gal. of water (250 – 2500 ppm active). Update treatment rate as needed. This product must be diluted by the water present in the formation. Injection takes place before gas is injected and may be repeated yearly or as needed to maintain control. Individual drips should be treated with a sufficient quantity of this product to produce a concentration of 100 to 1000 ppm active of this product when diluted by the water present in the drip. Injections should be repeated yearly or as needed to maintain control.

PIPELINE PIGGING AND SCRAPING OPERATIONS:

Add the product to slug water immediately following the scraper. (keep the water volume to a minimum and contained between the scraper and the [following trailing] pig). Add an effective concentration of 3.3 – 33.3 gal. of product per 1000 gal. of water (500 – 5000 ppm) to produce 0.05 – 0.5% active solution depending on the length of the pipeline and the severity of biofouling.

DRILLING, COMPLETION AND WORKOVER FLUIDS SYSTEMS:

This product is to be added to these fluid systems at a point of uniform mixing, such as circulating, holding or mud tank. Levels for effective control will vary depending on conditions at the site and the severity of the contamination. 1. 2. Initial Treatment: Add 1.7 – 33.3 gal. of this product per 10,000 gal. (25 – 500 ppm) to a freshly prepared fluid. Maintenance Dose Add 1.7 – 33.3 gal. of this product per 10,000 gal. (25 – 500 ppm) to a freshly prepared fluid.

PACKER FLUIDS:

This product is added to the packer fluid at a point of uniform mixing such as a circulating holding tank and other mixing device locations. Add 1.7 – 20.0 gal. per 10,000 gal. of packer fluid (25 – 300 ppm active) to a freshly prepared fluid. Levels for effective control vary depending on conditions at the site and the severity of contamination. Seal the treated packer fluid in the wall between the casing and the production tube.

HYDROTESTING:

Treat water used to hydrotest pipelines or vessels by adding 0.3 – 13.3 gal. of this product per 1,000 gal. water (50 – 2000 ppm) depending on the water quality and length of time the equipment remains idle.

PULP AND PAPER MILLS

Do not use to treat paper or paperboard which will contact food.

SLIMICIDE APPLICATIONS:

Do not use to treat paper or paperboard which will contact food. Apply this product to the paper making system at a point of uniform mixing such as, thin or thick stock chest, save-all tank, process tank or whitewater tank.
Initial Dose: When system is noticeably contaminated, add 0.7 – 133.3 of this product per 100,000 gal. of whitewater (1 - 200 ppm active) to be treated 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 0.7 – 133.3 of this product per 100,000 gal. of whitewater (1 - 200 ppm active) to be treated as necessary to maintain control.

WATER BASED COATING, PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD:

Application of this product must be made at a point in the system where mixing action is good or can be made at the size press or water box. Dosing Application: Apply at a rate of 0.33 to 2 lbs. per 1,000 lbs. of dry powder or 0.33 to 2.0 kg of this product per metric ton of dry slurry to produce a concentration of 333.3 to 2000 ppm as product (based on slurry solids) in the mixed slurry.

Produced for

HIROO ONADA

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