



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

EPA Reg. Number:

6836-519

Date of Issuance:

5/12/23

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Barquat GQ123-A

Name and Address of Registrant (include ZIP Code):

Kathryn Rosario
Regulatory Assurance Specialist, Arxada, LLC.
412 Mt. Kemble Ave., Suite 200S
Morristown, NJ 07960
Electronic Transmittal: kathryn.rosario@axada.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:

Steven Snyderman, Product Manager Team 33
RMB II, Antimicrobials Division (7510M)

Date:

5/12/23

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Alkyl* dimethyl benzyl ammonium chloride (ADBAC): GDCI-069105-1679
 - b. 1-Decanaminium, N-decyl-N, N-dimethyl-, chloride (DDAC): GDCI-069149-1681
 - c. 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. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 6836-519.”
5. 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 10/19/2022

If you have any questions, please contact Aidan Fife by phone at 202-566-0822, or via email at fife.aidan@epa.gov.

Enclosure: Stamped Final Label

Barquat® GQ123-A

Water treatment microbiocide for use in controlling microorganisms such as sulfate-reducing bacteria, slime forming bacteria algae and mold and yeast in Oil and Gas systems, and Building and Industrial Cooling Towers Systems

Active Ingredient:

Didecyl dimethyl ammonium chloride.....	1.80%
n-Alkyl (C ₁₄ -50%, C ₁₂ -40%, C ₁₆ -10%) Dimethyl Benzyl Ammonium Chloride.....	1.20%
Glutaraldehyde.....	12.00%
Inert Ingredients	<u>85.00%</u>
Total:.....	100.00%

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

KEEP OUT OF REACH OF CHILDREN

DANGER

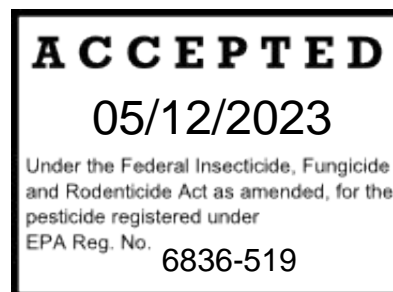
{Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.}

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 6836-LRO
EPA Establishment No. XXXX-XX-XX
Net Contents: (as indicated on container)

[DOT Symbols]
[Country of origin (insert country)]
[Manufactured in (insert country)]
[Barcode]

Manufactured by:
ARXADA LLC
412 Mount Kemble Avenue, Suite 200S
Morristown, NJ 07960



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 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 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 by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

GENERAL INFORMATION: Have the product container or label with you when calling a poison control center or doctor or going for treatment. For non-emergency and general information on product use, etc., information pertaining to this product, call the National Pesticides Information Center at 1-800-858-7378 (NPIC web site: www.npic.orst.edu). For emergencies, call the poison control center 1-800-222-1222.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. 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 NIOSH-approved respirator with any N, R, or P filter; OR a NIOSH -approved elastomeric particulate respirator with any N, R, P filter with NIOSH-approved number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. Wear coveralls over long-sleeved shirt and long pants, socks, chemical-resistant footwear, and chemical resistant gloves (Barrier Laminate, or Butyl Rubber, or Nitrile Rubber, or Neoprene Rubber, or Natural Rubber, or Polyethylene, or Polyvinyl Chloride (PVC), or Viton, selection Category A), and chemical-resistant apron. 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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 into 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.

Barquat® GQ123-A

EPA Reg. No. 6836-LRO

EPA Stamped Label 20OCT2022_rev12MAY2023

{Note to Reviewer: Language in [] is considered optional or interchangeable.}

WATER TREATMENT MICROBIOCIDE FOR BUILDING AND INDUSTRIAL COOLING TOWER SYSTEMS

Cooling Towers, Air Washers, and Recirculating Cooling Water Systems

This product should be added to a water treatment system at a 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 this product. Under these conditions, blow down should be discontinued for up to 24 hours.

Intermittent (Slug Dose) Method

1. Initial Dose: When the system is noticeably fouled, add 335-665 ppm (0.33-0.65 gallons) of product per 1000 gallons of water to the system. Repeat until control is achieved.
2. Subsequent Dose: When microbial control is evident, add 130-335 ppm (0.13-0.33 gallons) of product per 1000 gallons of water to the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

1. Initial Dose: When the system is noticeably fouled, add 335-665 ppm (0.33-0.65 gallons) of product per 1000 gallons of water to the system.
2. Subsequent Dose: Maintain this treatment level by starting a continuous feed of 64-335 ppm (0.06-0.33 gallons) of product per 1000 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

HEAT TRANSFER SYSTEMS (Evaporate Condensers, Hydrostatic Sterilizers and Retorts and Pasteurizers and Warmers)

This product 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 as the basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

SERVICE WATER AND AUXILIARY SYSTEMS

This product is used at the same application rates, and in the same manner as described above in Cooling Towers, Air Washers, and Recirculating Cooling Water Systems. Add this product to the system at a point that will allow for uniform mixing throughout the system.

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 1,720-8,333 ppm (1.69-8.21 gallons) of product per 1000 gallons of wastewater or sludge.

WATER FLOODS

This product should be added to a water flood system at a point of uniform mixing such as the area of addition of make up water to the holding tank.

Initial Treatment: When the system is noticeably contaminated, add 355-16,755 (0.35-16.5 gallons product per 1000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 178-17,750 ppm product (0.178-17.5 gallons product per 1000 gallons flood water) weekly, or as needed to maintain control.

WATER TREATMENT MICROBIOCIDE FOR OIL & GAS FIELD SYSTEMS

(FRACTURING FLUIDS) (AND) (OR) (STIMULATION FLUIDS)

This product reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. This product should be added to a (fracturing fluid) (and)(or) (stimulation fluid) at a point of uniform mixing such as the area of addition of make up water to the holding tank or directly into well head injection pipeline as the water is being pumped down-hole. **Dosage:** (This product) (Product name) is added at 355-4,465 ppm product (0.35-4.39 gallons product per 1000 gallons depending on microbial fouling present in source water).

DRILLING MUDS

This product should be added to a drilling fluid system at a point of uniform mixing such as a circulating tank.

Initial Treatment: Add 167-3,740 ppm (0.64-12.80 gallons product per 1000 gallons of barrel fluids) to a

freshly prepared drilling fluid depending on the severity of contamination.

Maintenance Dosage: As the total volume of the system increases due to increased well depths, maintain 167-3,740 ppm product level by adding 0.64 to 12.8 gallons of product per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

COMPLETION AND WORKOVER FLUIDS

This product should be added to fluid at a point of uniform mixing such as a circulation holding tank. Add 167-3,740 ppm (0.64-12.80 gallons product per 1000 gallons of barrel fluids) to freshly prepared fluid depending on the severity of contamination. Circulate the workover fluid system until the fluid returns clean, shut the system down and idle for several hours. Remove all the workover fluid. The well should be ready for productive use.

PACKER FLUIDS

This product should be added to a packer fluid at a point of uniform mixing such as a circulation holding tank. Add 167-4,465 ppm product (0.64-15.28 gallons product per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

USE AS HYDROGEN SULFIDE SCAVENGER (NON-PESTICIDAL)

This product may be used as a hydrogen sulfide scavenger in oilfield processing and refining operations. For hydrogen sulfide scavenging application, inject product strength to attain concentrations of up to 500 ppm of active ingredient in target areas on a continuous basis or in slug treatment.

OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

This product is added to an oil/gas production or transmission line via direct injection. The application is conducted to ensure maximum distribution of this product throughout the internal pipeline surface by adding enough 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 product with an appropriate solvent immediately before use. The concentration of product in the solvent must not fall below an active concentration range of 500-5,000 ppm product based on volume of water in the pipeline. Injections should be made weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells are to be treated with an amount of product to produce a concentration of 1,725-17,250 ppm of this product when diluted by the water present in the formulation. Injection takes place before gas is injected (during the summer). Repeat injections annually, or as needed to maintain control.

Individual drips should be treated with an amount of product to produce a concentration of 685-6,890 ppm of this product when diluted by the water present in the drip. Repeat injections annually, or as needed to maintain control.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add this product 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 trailing pig. Add 3,400-34,500 ppm (0.34-3.40 gallons) of product to 100 gallons of water depending on the length of the pipeline and the severity of the biofouling.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 333-13,333 ppm (0.33-13.13 gallons) of product per 1,000 gallons of water depending on water quality and the length of time the equipment remains idle.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

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EPA Reg. No. 6836-LRO

EPA Stamped Label 20OCT2022_rev12MAY2023

PESTICIDE STORAGE: Store only in original container at room temperature. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

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: (Note to Reviewer: One or more of the following paragraphs for Container Handling will be selected, depending on packaging use/type.)

{For non-refillable containers equal to or less than 5 gal.} Non-Refillable Container. Do not reuse or refill this container. Triple rinse container {(or equivalent)} promptly after emptying. Triple rinse as follows: Fill the container $\frac{1}{4}$ 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 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 greater than 5 gal.} Non-Refillable Container. Do not reuse or refill this container. Triple rinse container {(or equivalent)} promptly after emptying. Triple rinse as follows: Fill the container $\frac{1}{4}$ 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 back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate 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.

{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.

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