



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

92513-12

Date of Issuance:

10/05/23

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

BioSuite GQ-2xWM

Name and Address of Registrant (include ZIP Code):

Michael Gurecki
Biotechnology Group Lead
BioSuite LLC
12625 W. Airport Blvd, Sugar Land, TX 77478
Electronic Transmittal: michael.gurecki@biosuitegroup.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 33
Regulatory Management Branch II
Antimicrobials Division (7510M)

Date:

10/05/23

2. You are required to comply with the data requirements described in the DCI identified below:

- a. Glutaraldehyde: GDCI-043901-1668
- b. Akyl dimethyl benzyl ammonium chlorides (ADBAC): GDCI-069105-1679

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. 92513-12."
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: April 6, 2023
- Alternate CSF #1 dated: April 6, 2023
- Alternate CSF #2 dated: April 6, 2023
- Alternate CSF #3 dated: April 6, 2023
- Alternate CSF #4 dated: April 6, 2023
- Alternate CSF #5 dated: April 6, 2023

If you have any questions, please contact Zebora Johnson by phone at (202) 566-0730 or via email at johnson.zebora@epa.gov.

ACCEPTED

10/05/2023

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 92513-12

BioSuite GQ5-2xWM

EPA Reg. #: 92513-RE

September 19, 2023

BioSuite GQ5-2xWM

ACTIVE INGREDIENTS

Glutaraldehyde.....5.00%

Alkyl (50% C14, 40% C12, 10% C16)

dimethyl benzyl ammonium chloride.....2.00%

INERT INGREDIENTS.....93.00%

TOTAL.....100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER / PELIGRO

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.)



SEE [{SIDE} {BACK}] PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

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.

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 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 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.

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 advice.

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

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on product use, etc., call the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday – Friday, 8:00 am – 12:00 pm Pacific Time; email: npic@ace.orst.edu; or website: <http://npic.orst.edu/>. You may also contact the poison control center at 1-800-222-1222 for emergency medical treatment information.

You may contact 800-262-8200 for chemical, medical, or environmental emergencies.

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EPA REG. NO. 92513-RE
EPA EST. NO. {producing establishment's number}

{logo}

BioSuite, LLC
12625 W. Airport Blvd
Sugar Land, TX 77478

Net Contents: {net contents in gallons or lbs}

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing vapor or spray mist. Wear protective eyewear such as goggles, face shield, or safety glasses. Coveralls worn over long-sleeve shirt and long pants, socks, chemical-resistant footwear, 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, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before use.

Causes asthmatic signs and symptoms in hyper-reactive individuals. If respiratory irritation occurs, a NIOSH approved respirator with an organic vapor (OV) cartridge with a combination N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH-approved gas mask with a canister with NIOSH approval number prefix TC-14G; or powered air purifying respirator with organic vapor (OV) cartridge and combination HE filter with NIOSH approval number prefix TC-23C, is recommended.

Methanol may cause blindness.

PHYSICAL OR CHEMICAL HAZARDS

Flammable. Keep away from heat and open flame.

Product is a strong reducer. Keep away from oxidizers.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: goggles or face shield, long -sleeve shirt, long pants, shoes, socks, chemical -resistant gloves (such as butyl rubber) and chemical resistant apron.

USER SAFETY REQUIREMENTS

Follow manufacturers' instructions for cleaning & maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Users must wash hands before eating, drinking, chewing gum, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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The open pouring of glutaraldehyde solutions must be limited to low volume applications where the amount of concentrate handled is less than five gallons per day.

Automatic addition systems that minimize operator exposure to the concentrated product must be used when handling larger amounts of glutaraldehyde. If this is not feasible then local exhaust ventilation must be used to reduce glutaraldehyde exposure.

ENVIRONMENTAL HAZARDS

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.

{MARKETING CLAIMS}

- This product is a microbiocide for use in controlling sulfate-reducing bacteria (SRB) and slime forming bacteria in oil well drilling, oil field processing applications, oil field water systems, oil and gas productions and transmission pipelines and systems, and gas storage fields and equipment; such as steam-injection water holding tanks, flood water, injection water, holding pond water, disposal-well water, water holding tanks, fuel storage tanks and related refinery and oil field closed systems, industrial recirculating water handling systems.
- This product reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations.
- To control algae and bacterial slimes, use this water treatment microbiocide as directed.
- Effective against the growth of algae in non-public health uses.
- Has been designed specifically for control of sulfate-reducing bacteria that contribute to souring, the production of sulfide, and abiotic corrosion in oil field systems, gas production and transmission pipelines and systems.
- Helps inhibit the growth of unsightly algae.
- Kills and prevents algae when used in accordance with use directions.
- The residual effectiveness of this algacide tends to stabilize the total chemical treatment system.
- This product is effective for the control of odor-forming and slime-forming bacterial, fungi and algae in auxiliary service water systems such as fire protection systems and pump or screen bays, waste water systems such as storage tanks, storage piles, associated piping, settling ponds or lagoons, transport spillways or canals and disposal wells.

This product is for use in (insert location)

For use {in} {on} (insert location).

{LOCATIONS}

- Drilling, completion and workover fluids systems
- Gas storage wells and systems
- Hydrotesting facilities
- Oil field water flood systems {and fracturing fluid systems}
- Packer fluid systems

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- Pipeline pigging and scraping operations

DIRECTIONS FOR USE

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

USE IN OIL AND GAS PRODUCTION

If product is applied manually, a dust mist respirator must be worn during application and DO NOT open pour more than 5 gallons of concentrate per day. Use an automatic system if using more than 5 gallons of concentrate per day. If this is not feasible then local exhaust ventilation must be used to reduced exposure.

At a point of uniform mixing, apply this product at a concentration within the stated dosing range for the relevant product application. Subsequent treatments can be applied, as needed, to maintain an effective microbial control concentration. The stated concentration ranges provide microbial control of microorganisms at differing levels of contamination.

Drilling Fluids

Add 320 to 6430 ppm product to the freshly-prepared fluid system. Subsequent treatments may be applied, as needed, to maintain a concentration of 320 to 6430 ppm due to fluid reuse or turn over.

Completion and Workover Fluids

Add 320 to 6430 ppm product to the freshly-prepared fluid system.

Packer Fluids

Add 320 to 3850 ppm product to a circulating packer fluid to ensure uniform mixing. Seal the treated packer fluid in the wall between the casing and production tube.

Fracturing Fluids

Add 770 to 38,360 ppm product at any point in the production or application of the fracturing fluid to reduce bacterial contamination and fracturing fluid degradation.

Water Floods and Enhanced Oil Recovery Fluids

Intermittent (640 - 32,140 ppm product) or continuous (130 - 32,140 ppm product) dosing can be applied to the fluid to achieve effective microbial control.

Injection Waste Fluids

Add 640 to 32,140 ppm product to the waste fluid prior to or at injection into an approved disposal well.

Oil and Gas Water Storage and Transmission Systems

Add 640 to 64,290 ppm product to the water storage or transmission system as needed to maintain microbial control.

Gas Storage Wells and Systems

Individual injection wells should be treated to produce a concentration of 3,210 to 32,100 ppm product based on the water volume present in the system. Yearly treatments should be applied to maintain effective microbial control. Individual drips should contain 1,290 to 12,860 ppm product as needed to maintain microbial control.

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Hydrotesting

Water used to hydrotest pipelines or vessels should contain 640 to 25,710 ppm product.

Pipeline Pigging and Scraping Operations

Add the appropriate volume of product to achieve a concentration of 6,430 to 64,290 ppm product in the water slug applied immediately following the scraper.

Hydrocarbon Production, Storage and Transmission Systems

Add via direct injection to achieve a concentration of 1,070 to 10,710 ppm product based on the volume of water in the system. For pipeline uses, after application and complete distribution throughout the pipeline, a detectable amount of residual product should be present at the back end of the pipeline system.

STORAGE AND DISPOSAL

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

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

This product is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc.

These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment.

The preferred storage temperature is about 20°C.

A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON® 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

Wastes resulting from the use of this product may be disposed of on site or any approved waste disposal facility.

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 ¼ 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.

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{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.

Note to Reviewer: Optional GHS and/or DOT pictograms as well as DOT UN number and proper shipping name may be placed on the label.

{GHS Pictograms}

{DOT UN number}

{DOT proper shipping name}

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