



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 3, 2021

Alexis Chapman
Product Steward Regulatory Manager
Nutrition & Biosciences USA 1, LLC
1652 Larkin Center Drive
Midland, MI 48642

Subject: PRIA Label Amendment – Additional Efficacy Claims and Re-Entry Intervals
Product Name: GLUTEX GQ1 Sanitizer and Disinfectant
EPA Registration Number: 464-700
Received Date: 03/24/2020
Action Case Number: 00219510

Dear Ms. Chapman:

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.

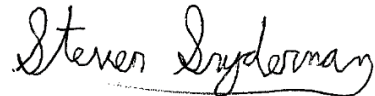
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6), you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 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 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.

Page 2 of 2
EPA Reg. No. 464-700
Action Case No. 00219510

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, please contact Jake McFarley by phone at (703) 347-0123, or via email at McFarley.Jake@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Steven Snyderman". The signature is written in a cursive style with a horizontal line underneath the name.

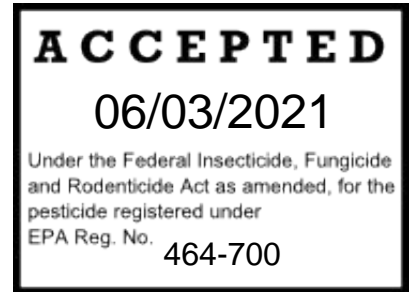
Steven Snyderman, Product Manager 33
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: Master Label

GLUTEX™ GQ1 Sanitizer and Disinfectant

Active Ingredient: Glutaraldehyde.....	14.0%
Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride.....	2.5%
Inert Ingredients:	83.5%
Total	100%

E.P.A. Registration No. 464-700
E.P.A. Est. No. XXXX-XX-X



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.

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive • Causes irreversible eye damage • Causes skin irritation • **May be fatal if inhaled. Do not breathe vapor.** Harmful if swallowed or absorbed through skin • Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals • Causes asthmatic signs and symptoms in hyper-reactive individuals • Do not get in eyes, on skin, or on clothing • Do not swallow • 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.

Applicators and other handlers must wear: goggles or face shield, a NIOSH approved particulate respirator with any N, R, or P filter, NIOSH approval number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approved number prefix TC-21C, long-sleeve shirt, long pants, shoes, socks, chemical-resistant gloves (such as butyl rubber) and chemical resistant apron.

User Safety Requirements

Follow manufacturer's 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.

User Safety Recommendations

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 and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 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.

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • 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 a doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> • 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 treatment advice
IF SWALLOWED	<ul style="list-style-type: none"> • 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 ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • 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.
Have product container or label with you when calling a poison control center or doctor or going for treatment.	
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect 800-424-9300.	
NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.	

STORAGE AND HANDLING

GLUTEX GQ1 Sanitizer and Disinfectant is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. GLUTEX GQ1 Sanitizer and Disinfectant can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 27°F (-3°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 80°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.

The product in its undiluted form must not be used in a spray, fogging or aerosol application.

STORAGE AND DISPOSAL

Pesticide Disposal: Do not contaminate water, food, or feed by storage or 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

Option to use for labels on nonrefillable rigid containers of all sizes

Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Option to use for labels on refillable rigid tote containers

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning of 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 container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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 PROCESS WATER SYSTEMS

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

GLUTEX GQ1 Sanitizer and Disinfectant 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 GLUTEX GQ1 Sanitizer and Disinfectant. Under these conditions, blowdown should be discontinued for up to 24 hours.

GLUTEX GQ1 Sanitizer and Disinfectant 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 4.2 to 8.5 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per 100 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 1.7 to 4.2 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per 100 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 4.2 to 8.5 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per 100 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 0.8 to 4.2 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per 100 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

GLUTEX GQ1 Sanitizer and Disinfectant 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)

GLUTEX GQ1 Sanitizer and Disinfectant 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.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge And Wastewater Holding Tanks)

GLUTEX GQ1 Sanitizer and Disinfectant should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 200 to 975 fluid ounces (1.6 to 7.6 gallons) (1,600 to 7,600 ppm product) of GLUTEX GQ1 Sanitizer and Disinfectant per 1,000 gallons of wastewater or sludge.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

GLUTEX GQ1 Sanitizer and Disinfectant should be added to the paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white-water tank.

Initial Dose: When the system is noticeably contaminated, add 1.5 to 9.0 lbs of GLUTEX GQ1 Sanitizer and Disinfectant per ton or 0.76 to 4.5 Kg of GLUTEX GQ1 Sanitizer and Disinfectant per metric ton of pulp or paper (dry basis) as a 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 0.9 to 6.0 lbs of GLUTEX GQ1 Sanitizer and Disinfectant per ton or 0.46 to 3.0 Kg of GLUTEX GQ1 Sanitizer and Disinfectant per metric ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

WATER BASED COATINGS FOR PAPER AND PAPERBOARD

NOTE: For use in non-food contact coatings only.

Use from 0.3 to 1.8 lbs. of GLUTEX GQ1 Sanitizer and Disinfectant per 1,000 lbs. of dry powder or 0.3 to 1.8 Kg of GLUTEX GQ1 Sanitizer and Disinfectant per metric ton of dry slurry to produce a concentration from 300 to 1,800 ppm as product (based on slurry solids) in the mixed slurry.

WATER FLOODS

GLUTEX GQ1 Sanitizer and Disinfectant should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 300 to 15,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant to the system (0.3 to 14.5 gallons GLUTEX GQ1 Sanitizer and Disinfectant per 1,000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 60 to 15,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant (0.06 to 14.5 gallons GLUTEX GQ1 Sanitizer and Disinfectant per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

FRAC FLUIDS

Not registered for this use in the State of California – Optional Statement

GLUTEX GQ1 Sanitizer and Disinfectant reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add GLUTEX GQ1 Sanitizer and Disinfectant to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole.

Dose Range: GLUTEX GQ1 Sanitizer and Disinfectant should be added at a rate of 360 to 17,900 ppm (3.5 - 172.5 gallons per 10,000 gallons) depending on the degree of bacterial fouling in the source water.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

GLUTEX GQ1 Sanitizer and Disinfectant should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 150 to 3,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant (0.6 to 12.2 gallons GLUTEX GQ1 Sanitizer and Disinfectant per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

Maintenance Dosage: Maintain a concentration of 150 to 3,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant by adding 0.6 to 12.2 gallons of GLUTEX GQ1 Sanitizer and Disinfectant per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

GLUTEX GQ1 Sanitizer and Disinfectant should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 150 to 1,800 ppm GLUTEX GQ1 Sanitizer and Disinfectant (0.6 to 7.3 gallons GLUTEX GQ1 Sanitizer and Disinfectant 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.

OIL PRODUCTION AND TRANSMISSION PIPELINE SYSTEMS

Product not registered for this use in the State of California – Optional Statement

GLUTEX GQ1 Sanitizer and Disinfectant should be added to an oil production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of GLUTEX GQ1 Sanitizer and Disinfectant 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 GLUTEX GQ1 Sanitizer and Disinfectant with an appropriate solvent immediately before use.

The concentration in the solvent should

not fall below an active concentration range of 500 to 5,000 ppm 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 PIPELINE SYSTEMS

GLUTEX GQ1 Sanitizer and Disinfectant should be added to a gas production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of GLUTEX GQ1 Sanitizer and Disinfectant 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 GLUTEX GQ1 Sanitizer and Disinfectant with an appropriate solvent immediately before use. The concentration in the solvent should not fall below an active concentration range of 500 to

5,000 ppm 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 sufficient quantity of GLUTEX GQ1 Sanitizer and Disinfectant to produce a concentration of 1,500 to 15,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant 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 drips should be treated with a sufficient quantity of GLUTEX GQ1 Sanitizer and Disinfectant to produce a concentration of 600 to 6,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant 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 300 to 12,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant (0.3 to 11.8 gallons GLUTEX GQ1 Sanitizer and Disinfectant per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add GLUTEX GQ1 Sanitizer and Disinfectant 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 GLUTEX GQ1 Sanitizer and Disinfectant should be added to produce a concentration of 0.3 to 3% (0.29 to 2.9 gallon GLUTEX GQ1 Sanitizer and Disinfectant per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

DISINFECTING OR SANITIZING HARD, NON-POROUS, NON-FOOD CONTACT SURFACES, FARM, ANIMAL, AND POULTRY HOUSING FACILITIES AND EQUIPMENT

Not registered for this use in the State of California – Optional Statement

DO NOT USE THIS PRODUCT ON FOOD OR FEED

GLUTEX GQ1 Sanitizer and Disinfectant is suitable for use on a wide variety of surfaces including stainless steel, aluminum, painted concrete, plastic, and glazed tile. Surfaces should be precleaned prior to disinfection.

DISINFECTION

For disinfection against the following pathogens:
Actinobacillus pleuropneumoniae (ATCC 27089)

Campylobacter jejuni, (ATCC BAA-1062)
Clostridium perfringens, (ATCC 13124)
Escherichia coli, (ATCC 11229)

GLUTEX™ GQ1 Sanitizer and Disinfectant
May 31, 2021

Haemophilus paragallinarum, (ATCC 29545)
Klebsiella pneumoniae, (ATCC 4352)
Mycoplasma gallisepticum, (ATCC 15302)
Mycoplasma hyopneumoniae, (ATCC 25934)
Pasteurella multocida, (ATCC 8747)
Pseudomonas aeruginosa, (ATCC 15442)
Salmonella enterica, (ATCC 10708)
Salmonella enterica, (ATCC 13076)
Staphylococcus aureus, (ATCC 6538)

For disinfection against the following viruses:

Avian Infectious Laryngotracheitis Virus, (SPAFAS 547316)
Avian influenza (H6N2 and H5N1), (ATCC VR -799)
Infectious bursal disease (Infectious bursa; disease, Lukert strain)
Porcine circovirus, (American Biotest Laboratories)
Porcine Epidemic Diarrhea Virus (Colorado 2013 isolate NVSL)
Porcine parvovirus, (ATCC VR-742)
Porcine Respiratory Reproductive Syndrome Virus, (Arko Labs, Item Number MS036N04075)
SARS-associated coronavirus, (SARS-CoV, ZeptoMetrix)

Swine Influenza Virus (H1N1), (ATCCVR-99)

Prepare disinfection solution according to the following procedure:

To prepare solution for hatchers, setters, and chick processing facilities see procedure within that section. Disinfection solution preparation:

1. Mix 1 fluid ounce of GLUTEX GQ1 Sanitizer and Disinfectant per gallon of water (8 mls per liter) to produce a solution containing 0.13% total active ingredients.
2. For application against *Porcine parvovirus*, mix 2 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per gallon of water (16 mls per liter, a 1:64 dilution of the product).
3. Apply by sponge, mop, spray or immersion depending upon the surface to be disinfected.
4. Allow surface to remain visibly wet with the prepared solution for at least 10 minutes.
5. Fresh solution should be prepared daily or more often if the solution becomes diluted or soiled.

SANITIZATION

For sanitization against the following pathogens:

Klebsiella pneumoniae, (ATCC 4352)
Pseudomonas aeruginosa, (ATCC 15442)
Salmonella cholerasuis, (ATCC 10708)
Staphylococcus aureus, (ATCC 6538)

Prepare sanitizing solution according to the following procedure:

To prepare solution for hatchers, setters, and chick processing facilities see procedure within that section.

Sanitizing solution procedure:

1. Mix 0.45 to 1.8 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per gallon of water (3.5 to 14.1 milliliters per liter) to produce a solution containing 0.06 to 0.24% total active ingredients.
2. For application against *Porcine circovirus*, mix 0.9 to 2.2 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per gallon of water (6.9 to 17.3 milliliters per liter) to produce a solution containing 0.12 to 0.293% total active ingredients.
3. Apply by sponge, mop, spray-or immersion depending upon the surface to be sanitized.
4. Allow surface to remain visibly wet with product for at least 5 minutes.
5. Fresh solution should be prepared daily or more often if the solution becomes diluted or soiled.

Farm Equipment And Animal Housing Buildings

(Poultry & turkey grow-out houses, laying houses, swine production and housing, barns and large animal buildings)

1. Remove all poultry and other animals and feed from the premises. Remove all portable equipment and empty all feeders and water troughs. If not removed, all treated feeders and waterers must be thoroughly rinsed with potable water prior to re-use.
2. Remove all litter and manure from floors and other surfaces. Remove gross filth and soil deposits from surfaces prior to treatment. Pre-clean surfaces with a suitable detergent and rinse with water.
3. Prepare either disinfection or sanitizing solution depending upon the organisms being treated by mixing the appropriate amount of GLUTEX GQ1 Sanitizer and Disinfectant with water. Refer to solution preparation above.
4. Using suitable commercially available equipment, saturate all surfaces with the prepared solution. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
5. Allow to stand for at least 5 minutes for sanitization or 10 minutes for disinfection.
6. Ventilate enclosed spaces.
7. Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried.

Hatchers, Setters, and Chick Processing Facilities

Not for treatment of hatchers which contain chicks/eggs.

Fogging is not used as used as a sanitizing or disinfection treatment.

Ventilation systems must remain on during fogging.

1. For disinfection or sanitizing of environmental surfaces prior to introduction of eggs: Remove all animals and feed from premises/vehicles and enclosures.
2. Clean out feathers, fluff, or other debris. Remove gross filth and soil deposits from surfaces prior to treatment. Pre-clean surfaces with a suitable detergent and rinse with water.
3. Prepare either disinfection or sanitizing solution depending upon the organisms being treated by mixing the appropriate amount of GLUTEX GQ1 Sanitizer and Disinfectant with water. Refer to solution preparation above.
4. Thoroughly saturate all surfaces with the prepared solution. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

5. Allow to stand for at least 5 minutes for sanitization or 10 minutes for disinfection.
6. Ventilate thoroughly before reuse.
7. **Note:** For treatment of air and surfaces in high humidity hatchers and setters with water spray cooling: Fog or atomize this solution into setters or hatchers, using appropriate application equipment. Fogging of poultry houses should only be done in such a way that the operator is outside the poultry house when applying the fog. Prepare a stock solution of one (1) part GLUTEX GQ1 Sanitizer and Disinfectant to eighty-four (84) parts water (1.5 fluid ounces GLUTEX GQ1 Sanitizer and Disinfectant to 125 fluid ounces water) (or equivalent dilution). Fog this solution at a rate of 3.8 ounces per 10,000 cubic feet for the fogging times specified in the table below.

See table for re-entry times after application.

8. **Note:** For treatment of air and surfaces in low humidity hatchers with chilled coil cooling: Fog or atomize this product using appropriate application equipment. Fogging of poultry houses should only be done in such a way that the operator is outside the poultry house when applying the fog. Prepare a stock solution of one (1) part GLUTEX GQ1 Sanitizer and Disinfectant to eighty-four (84) parts water (1.5 fluid ounces GLUTEX GQ1 Sanitizer and Disinfectant to 125 fluid ounces water) (or equivalent dilution). Fog this solution at a rate of 3.8 ounces per 10,000 cubic feet for the fogging times specified in the table below. See table for re-entry times after application.

Air Changes per Hour (ACH)	Fogging Time	Re-entry Time
8	5 minutes	25 minutes
12	7.5 minutes	15minutes
16	10 minutes	10 minutes
20	12.5 minutes	10minutes
24	15 minutes	10 minutes

Under no circumstances must the hatchery room be entered by unprotected persons before the listed re-entry intervals. If the hatchery room must be entered, before the listed re-entry intervals, then the individuals entering the room must wear a long-sleeved shirt and pants and a NIOSH approved particulate respirator with any N, R, or P filter, NIOSH approval number prefix TC-84A; or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approved number prefix TC-21C.

Trays, Racks, Carts, Chick Boxes, Cages and Other Hard Surfaces

1. Remove all filth and heavy debris from surfaces by scraping or washing.
2. Prepare either disinfection or sanitizing solution depending upon the organisms being treated by mixing the appropriate amount of GLUTEX GQ1 Sanitizer and Disinfectant with water. Refer to solution preparation above.
3. Apply by spraying or immersion, and allow to drain and air -dry. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
4. Allow to stand for at least 5 minutes for sanitization or 10 minutes or for longer for disinfection. Not for fogging.
5. Ventilate enclosed spaces.
6. Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried.

Trucks and other Vehicles

1. Remove all filth and heavy debris from surfaces by scraping or washing.
2. Prepare either disinfection or sanitizing solution depending upon the organisms being treated by mixing the appropriate amount of GLUTEX GQ1 Sanitizer and Disinfectant with water. Refer to solution preparation above.
3. Apply by spraying or immersion, and allow to air-dry.
4. Allow to stand for at least 5 minutes for sanitization or 10 minutes or for longer for disinfection. Not for fogging.
5. Ventilate enclosed spaces.
6. Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried.

**DISINFECTING OR SANITIZING NON-FOOD CONTACT SURFACES,
INDUSTRIAL EQUIPMENT AND BUILDINGS**

Not registered for this use in the State of California.

1. Remove all heavy filth and soil deposits from surfaces using suitable cleaner.
2. Prepare either disinfection or sanitizing solution by mixing the appropriate amount of GLUTEX GQ1 Sanitizer and Disinfectant with water. Refer to solution preparation above.
3. Using suitable commercially available equipment, saturate all surfaces with the prepared solution. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
4. Allow to stand for at least 5 minutes for sanitization or 10 minutes or for longer for disinfection.
5. Ventilate enclosed spaces.
6. Do not repopulate with poultry or other animals or use equipment until treatment has been absorbed or dried.

Notice: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

NET WT:

Lot:

Produced For (*Optional Statement - used when manufactured by contract manufacturer*)

DuPont oval™
Nutrition & Biosciences USA 1, LLC
1652 Larkin Center Drive
Midland, Michigan 48642
1-800-526-3649

GLUTEX™ GQ1 Sanitizer and Disinfectant
May 31, 2021

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