

# GLUTEX™ GQ1

Disinfectant & Sanitizer

## Composition:

Glutaraldehyde	14.0%
Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%) dimethyl benzyl ammonium chloride	2.5%
Inert Ingredients	83.5%

## Use:

An industrial sanitizer for use in controlling microbial contamination in animal production facilities and farm equipment such as poultry and turkey houses, swine housing and farrowing areas. Barns and large animal buildings, hatcheries, setters, and chick processing facilities, cages and transport vehicles, and hatching eggs and for sanitizing industrial or non-food contact surfaces such as equipment for mixing, packing or packaging products, products transfer lines, storage tanks, floors and walls and for use by manufacturers and formulators in formulating products for animal housing and industrial sanitizing applications. Formulators using this product are responsible for the EPA registration of their formulating products.

## Benefits:

- Glutex™ GQ1, imported from the world leading chemical & biocide manufacturer - The Dow Chemical Company, USA; is an effective, fast-acting, broad-spectrum microbiocide effective against pathogens that cause deadly animal diseases.
- Combining 14% glutaraldehyde with 2.5% *quarternary ammonium salt (quat)*, Glutex™ GQ1 effectively disinfect & sanitize against a broad range of viruses, bacteria, spores and fungi in animal production.
- The combination of glutaraldehyde and quat is synergistic. Quat works to increase the penetration of glutaraldehyde in the cell.
- Glutaraldehyde provides a quick rate of kill with improved performance in the presence of organic matter.
- Glutex™ GQ1 is readily biodegradable according to OECD 301A test method. So Glutex™ GQ1 is environment friendly.
- Glutex™ GQ1 contains highest percentage of glutaraldehyde of the glut/quat combination products. The effective combination of these two actives offers improved broad range performance.
- The corrosivity of Glutex™ GQ1 is similar to water, when diluted to end use levels making it preferred to oxidizing agents or straight quat formulation, which can be highly corrosive.
- Two active ingredients for enhanced fungal efficacy.
- Proven to effectively sanitize hatcheries with efficacy against key pathogens such as *Salmonella cholerasuis*, *Pseudomonas aeruginosa*, *Aspergillus fumigatus*, and many more pathogens.
- No tacky buildup on treated surfaces, eliminating the need for time-consuming and costly removal and cleanup.
- No formaldehyde or formaldehyde release from this formulation. Glutaraldehyde is not classified as a carcinogen.
- Reduces contamination on a wide variety of surfaces such as stainless steel, aluminum, painted concrete, plastic, and glazed tile.
- Product can be diluted with a wide-range of water hardness. Testing has shown ease of dilution up to 1200 ppm hardness. (Normal range of hard water is 121-180 ppm)
- Internal laboratory testing resulted in lower corrosion to metals than the control of water applied in the testing on metals such as low carbon steel, galvanized steel and Galvaneel steel.

**Direction for Use:**

Do not use this product on food or feed.

***SANITIZING NON-FOOD CONTACT SURFACES, FARM HOUSING FACILITIES & EQUIPMENT:***

Glutex™ GQ1 is suitable for use on a wide variety of surfaces including stainless steel, aluminum, painted concrete, plastic, glazed tile.

To sanitize vegetative pathogens (including *Klebsiella pneumoniae*, *Salmonella cholerasuis*, *Staphylococcus aureus*, and *Pseudomonas aeruginosa*) and viruses (including Infectious bursal disease, Avian influenza (H<sub>6</sub>N<sub>2</sub> and H<sub>5</sub>N<sub>1</sub>), SARS Associated Coronavirus, Porcine circovirus and fungus (including *Aspergillus fumigatus*): 1. Remove filth and soil deposits from surfaces prior to treatment. Pre-clean surfaces with a suitable detergent and rinse with water. 2. Thoroughly saturate all surfaces using a mop or by spraying with a solution prepared by mixing 0.45 to 1.8 fluid ounces of Glutex™ GQ1 per gallon of water (3.5 to 14.1 milliliters per liter) to produce a solution containing 0.06% to 0.24% active ingredient. For application against Porcine circovirus mix 0.9 to 2.2 fluid ounces of Glutex™ GQ1 per gallon of water (6.9 to 17.3 milliliters per liter) to produce a solution containing 0.1 to 0.25% active glutaraldehyde ingredient. 3. Allow to stand for at least 5 minutes, or until thoroughly dried. 4. Ventilate thoroughly before reuse. 5. Fresh solution should be prepared daily or more often if the solution becomes diluted or soiled.

***SANITIZING NON-FOOD CONTACT SURFACES, INDUSTRIAL EQUIPMENT & BUILDINGS:***

Before applying Glutex™ GQ1, remove heavy filth and soil deposits from surfaces using a suitable cleaner. Dilute Glutex™ GQ1 to 0.06% to 0.24% active ingredient by mixing 0.45 to 1.8 fluid ounces of Glutex™ GQ1 per gallon of water (3.5 to 14.1 milliliters per liter). Using suitable commercially available equipment, saturate all surfaces with diluted Glutex™ GQ1. Allow to stand for at least 5 minutes, or for longer time depending on the organisms being treated (See Product Dilution, above). Ventilate enclosed spaces.

**Danger:**

Keep out of reach of children.

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. Harmful if 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, on clothing.
- Avoid breathing vapor. Do not swallow.
- Wear goggles, protective clothing, and butyl or nitrile gloves.
- Wash thoroughly with soap and water after handling.
- Remove contaminated clothing and wash before reuse.

**Environmental Hazards:**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters.

**First Aid:**

If swallowed: Call a poison control center or a doctor immediately for treatment advice. Do not induce vomiting. Do not give anything to drink.

If in eyes: Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. Call a poison control center or a doctor immediately for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or a doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or a doctor for further treatment advice.

**Note to Physician:**

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

**Storage & Handling:**

Glutex™ GQ1 is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. Glutex™ GQ1 can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. 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).

**Packaging:**

100 ml, 1 Liter & 1 Gallon pack.