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**Section I****Manufacturers Name:**

GLOBAL BIOTECHNOLOGIES, INC.  
54 YORK STREET SUITE 1B  
PORTLAND, MAINE 04107

**Emergency Phone Number** Evenings and Weekends  
207-799-8420

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**Section II - Hazardous Ingredients/Identity Information****Hazardous Components****(Specific Chemical Identity; Common Name(s))**

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|---|-------------|
| 1. Dual-Quaternary Ammonium Compound  | CAS NO.     |
| Alkyl (60% C <sub>14</sub> ,30%C <sub>16</sub> , 5%C <sub>12</sub> ,5%C <sub>18</sub> ) dimethyl benzyl ammonium chloride | 68391-01-5  |
| Alkyl (68% C <sub>12</sub> ,32%C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chloride                                   | 68956-79- 6 |
| 2. Ethyl Alcohol 3%   |             |
| OSHA PEL: 1000 ppm  |             |
| ACGIH TLV : 1000 ppm  |             |
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**Section III - Physical/Chemical Characteristics**

<b>Boiling Point:</b> 212° F	<b>Vapor Pressure (mm Hg.):</b> 22.3 mm Hg
<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 0.9915	<b>Melting Point:</b> N/A
<b>Vapor Density (Air + 1):</b> 0.02 lb/ft <sup>3</sup>	<b>Evaporation Rate: (Butyl Acetate +1):</b> 0.4
<b>Concentrate pH:</b> 11.57	<b>Solubility in Water:</b> Completely miscible

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**Section IV – Reactivity Data**

**Stable (X)**      **Not Stable ( )**  
**Conditions to Avoid:** None Known  
**Incompatibility (Materials to Avoid):** None Known  
**Hazardous Decomposition of Byproducts:** None Known.

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**Section V - Fire and Explosion Hazard Data**

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**Flash Point (Method Used):** None. Non-Flammable  
**Extinguishing Media:** None. Non-Flammable  
**Special Fire Fighting Procedures:** None. Non-Flammable  
**Unusual Fire and Explosion Hazards:** None. Non-Flammable

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## Section VI - Health Hazard Data

**Most likely route(s) of entry:** Eye and skin

**Ingestion:** (only if swallowed)

**Health Hazards (Acute and Chronic)**

For liquid concentrate directly taken from the bottle:

- oral LD50 (rat): > 5g/kg (Equiv. to 150lb adult swallowing .75lb of concentrate).
- dermal LD50 (rabbit) : > 2.0g/kg.
- skin irritation (rabbit) : Not corrosive. Direct contact can cause transient swelling/redness.
- eye irritation (rabbit) : 0.1 ml. applied to eye may produce transient eye irritation,
- Not a skin sensitizer in guinea pigs when used by the Buehler sensitization contact allergy method.

**Carcinogenicity:** The product is not considered a carcinogen by OSHA, NTP or IARC.

**OSHA Regulated:** Not listed.

**Signs and Symptoms of Exposure**

- Inhalation: Solvent vapors or mists of product may cause irritation to mucous membranes. Material is intended for application by pump spray.

**Medical Conditions Generally Aggravated by Exposure:** Not known

**Emergency First Aid Procedures**

**Eyes:** Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to insure rinsing of the entire surface of the eye and lids with water. If physician not available, flush for an additional 15 minutes.

**Skin:** Immediately wipe away excess material with a dry cloth. Wash affected areas thoroughly with large amounts of water, and soap if available, for at least 15 minutes.

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## Section VII - Precautions for Safe Handling and Use

**Steps to be Taken in Case Material is Released or Spilled:**

Caution: floors may become slippery. For large spills, wear appropriate protective clothing and like for recovery or disposal. For small spills, use absorption material and place in compatible chemical container for disposal.

**Waste Disposal Method:**

Dispose of in compliance with all federal, state and local laws and regulations.

**Precautions to be Taken in Handling and Storing:**

Store upright, indoors in a clean, organized area. Make sure that seals are firmly closed.

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## Section VIII - Control Measures

**Respiratory Protection (Specify type)**

Note: The product is not administered as a vapor or aerosol.

**Ventilation:** No special precautions unless aerosolization is made to occur.

**Protective Gloves:** Rubber or Neoprene

**Eye Protection:** Chemical goggles or face shield.

**Other Protective Clothing or Equipment:** Protective clothing, eye wash, safety shower.

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## Section IX - Other Remarks

1. This product is intended for use as a cleaner, deodorizer and disinfectant of hard, non-porous environmental surfaces, floors, toilet bowls, etc. The product label should be consulted for directions for use.
2. This product does not require hazard communication labeling since it is a pesticide subject to the labeling requirements of the Federal Insecticide, Fungicide and Rodenticide Act and labeling regulations issued under the Act by the U.S. Environmental Protection Agency.