
Section I

Manufacturers Name:

GLOBAL BIOTECHNOLOGIES, INC.

54 YORK STREET SUITE 1B

PORTLAND, MAINE 04107

Emergency Phone Number Evenings and Weekends

207-799-8420

Section II - Hazardous Ingredients/Identity Information

Hazardous Components**(Specific Chemical Identity; Common Name(s))**

1. Dual-Quaternary Ammonium Compound

Alkyl (60% C₁₄,30%C₁₆, 5%C₁₂,5%C₁₈) dimethyl benzyl ammonium chlorideAlkyl (68% C₁₂,32%C₁₄) dimethyl ethylbenzyl ammonium chloride

Section III - Physical/Chemical Characteristics

Boiling Point: 212° F**Vapor Pressure (mm Hg.):** 22.3 mm Hg**Specific Gravity (H₂O = 1):** 0.9915**Melting Point:** N/A**Vapor Density (Air + 1):** 0.02 lb/ft³**Evaporation Rate: (Butyl Acetate +1):** 0.4**Concentrate pH:** 10.57**Solubility in Water:** Completely miscible**Appearance & Odor:** Clear to opaque

Section IV - Fire and Explosion Hazard Data

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

Section V - Reactivity Data

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

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: None Known

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.

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.

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: No special precautions

Eye Protection: No special precautions.

Other Protective Clothing or Equipment: No special precautions.

Section IX - Other Remarks

1. This product is intended for external use on the skin. The product label should be consulted for directions for use.