

# SAFETY DATA SHEET

Date Issued :2016/01/01

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Microcide SQ  
**GENERAL USE:** Disinfectant, Virucide, Fungicide  
**PRODUCT DESCRIPTION:** Disinfectant

**Manufacturer:**

Global Biotechnologies, Inc.

19 Rigby Road

Scarborough, Maine 040784

[E-Mail: sales@globalbio.com](mailto:sales@globalbio.com)

**Customer Service: 800-755-8420**

**EPA REG. NO: 10324-59-70391**

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**207-799-8420**

**207-233-8420**

## 2. HAZARDS IDENTIFICATION

**GHS LABEL**



Exclamation  
mark

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS**

H314: Causes severe skin burns and eye damage.

H302: Harmful if swallowed.

H401: Toxic to aquatic life.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Purple liquid, characteristic odor.

**IMMEDIATE CONCERNS:** Causes irreversible eye damage and skin burns.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive to the eyes and may cause severe damage including blindness.

**SKIN:** Contact causes severe skin irritation and possible burns.

**SKIN ABSORPTION:** Not Established

**INGESTION:** Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and possible death.

**INHALATION:** Mist is irritating to nose, throat and lungs.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**ACUTE TOXICITY:** Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if swallowed.

**CHRONIC EFFECTS:** None known.

**CARCINOGENICITY:** Not Established

**MUTAGENICITY:** None known.

**REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** Not Established

**TERATOGENIC EFFECTS:** Not Established

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	2.37	68391-01-5
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	2.37	68956-79-6

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician. **INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

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

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** None

**HAZARDOUS COMBUSTION PRODUCTS:** Not Established

**EXPLOSION HAZARDS:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Store containers away from children. Close container after use.

**HANDLING:** Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities. **STORAGE:** Store in area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles, full face-shield.

**SKIN:** Rubber or other chemical resistant gloves. Rubber boots of used on floors. Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

**RESPIRATORY:** Where danger of mist contact may occur, wear NIOSH approved respiratory protection for mists. **PROTECTIVE CLOTHING:** None Expected.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid  
**ODOR:** Mild, pleasant  
**COLOR:** Yellow or Clear  
**pH:** 11.5 to 12.5  
**FLASH POINT AND METHOD:** NA = Not Applicable  
**FLAMMABLE LIMITS:** NA = Not Applicable  
**VAPOR PRESSURE:** 20  
**VAPOR DENSITY:** ~ 1  
**BOILING POINT:** 212o F; 100o C  
**SOLUBILITY IN WATER:** Complete  
**EVAPORATION RATE:** ~ 1  
**DENSITY:** 8.66  
**SPECIFIC GRAVITY:** 1.039 grams/ml.  
**VISCOSITY:** Water thin.

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes  
**HAZARDOUS POLYMERIZATION:** No  
**POLYMERIZATION:** Will not occur.  
**CONDITIONS TO AVOID:** Oxidizing materials.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established  
**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rabbit)
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	> 1890 mg/kg	> 2000 mg/kg
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	> 500	> 2000

**DERMAL LD50:** > 2000 mg/kg male and female rabbits.

**ORAL LD50:** > 1890 mg/kg Male and Female rats.

**EYE EFFECTS:** Corrosive to eyes. Permanent damage may occur.

**SKIN EFFECTS:** Severe skin irritant. May cause burns to skin.

### CARCINOGENICITY

**IARC:** None known.

**OSHA:** None known.

**SENSITIZATION:** Not Available

**REPRODUCTIVE EFFECTS:** None known.

**TARGET ORGANS:** None known.

**TERATOGENIC EFFECTS:** Not Available

**MUTAGENICITY:** Not Available

## 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

ECOTOXICOLOGICAL INFORMATION: No known significant effects or critical hazards

noted. BIOACCUMULATION/ACCUMULATION: Not Available

AQUATIC TOXICITY (ACUTE): Not Established

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Although not a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations 40CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations.

## 14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated.

## 15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Health - Acute

REACTIVITY: Yes

313 REPORTABLE INGREDIENTS: No products were found.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No products were found.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	68391-01-5
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	68956-79-6

TSCA REGULATORY: All ingredients are listed on the TSCA Chemical Inventory.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: No products were found.

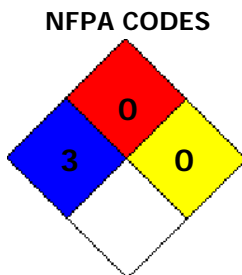
CARCINOGEN: No products were found.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Regulated

## 16. OTHER INFORMATION

PREPARED BY: Jeff Gable

HMIS RATING	
HEALTH	3
FLAMMABILITY	<u>0</u>
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B



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Approval: A. Robert Bogosian, Ph.D.