

# Safety Data Sheet

## LIFELINE CELL TECHNOLOGY SAFETY DATA SHEET

### SECTION 1 – PRODUCT AND COMPANY INFORMATION

**Product Name:** Gentamicin-Amphotericin B

**Product Number:** LS-1104

**Company Address:** Lifeline Cell Technology  
8415 Progress Drive, Suite T  
Frederick, MD 21701

**Technical Phone:** (877) 845-7787

**Fax:** (301)845-2405

**Emergency Phone:** (877) 845-7787

**Product use:** Cell testing reagent

### SECTION 2 – HAZARDS IDENTIFICATION

#### Hazard Identification:

#### GHS Classification

Respiratory sensitization (Category 1), H334

Skin sensitization (Category 1), H317

Eye irritation (Category 2A), H361

Specific target organ toxicity – single exposure (Category 3), Respiratory system, H335

#### GHS Label elements including precautionary statements:

Pictograms:



Signal word

Danger

#### Hazard statements

H315 Cause skin irritation.

H317 May cause allergic skin reaction

H334 May cause allergy or asthma symptoms or breathing difficulty if inhaled

H335 May cause respiratory irritation

#### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves/protective clothing/eye protection/face protection

P285 In case of inadequate ventilation wear respiratory protection

P302+P352 If on skin: Wash with plenty of soap and water

P304+P341 If inhaled: If breathing is difficult, move victim to fresh air and keep at rest in a position comfortable for breathing.

# Safety Data Sheet

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
P362 Take off contaminated clothing and wash before reuse.  
P405 Store locked up  
P501 Dispose of contents/container to an approved waste disposal plant

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

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<b>Principal Components:</b>	Gentamicin Sulfate Salt	CAS number:	1405-41-0
	Amphotericin B	CAS number:	1397-89-3
	Water	CAS number:	7732-18-5

**Composition:** The subject formulation is a mixture of Gentamicin Sulfate, Amphotericin B and stabilizing agents in water.

### Hazardous components:

**Gentamicin Sulfate:** CAS #: 1405-41-0 EC #: 215-778-9  
**Concentration:** 3-6%  
**Classification:** Resp. Sens. 1; Skin Sens. 1; H317, H334

**Amphotericin B:** CAS #: 1397-89-3 EC #: 215-742-2  
**Concentration:** 0.001-0.005%  
**Classification:** Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H335

**Synonym:** GA

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## SECTION 4 – FIRST AID MEASURES

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### First aid measures in case of exposure:

**General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled:** If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

**Oral Exposure:** If swallowed, rinse out mouth with water. Call a physician.

**Dermal Exposure:** In case of contact with skin, wash with soap and water. Call a physician.

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Most important symptoms and effects, acute or delayed:** Refer to section 2 for most important symptoms and effects, acute or delayed.

**Recommendations for immediate medical care or treatment:** No data available.

# Safety Data Sheet

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## SECTION 5 – FIRE FIGHTING MEASURES

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- General Fire hazard:** Components in this product do not present any special fire hazard. Carbon oxides, nitrogen oxides, sulfur oxides and sodium oxides may be released in a fire.
- Extinguishing media:** Use media appropriate for the material that is burning.
- Advice for Firefighters:** Wear self-contained breathing apparatus.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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- Personal Precautions and Protective Equipment:** Refer to section 8 for appropriate personal protection. Avoid breathing mist, vapors or gas. Ensure adequate ventilation. Evacuate personnel to a safe location in case of accidental release.
- Environmental Precautions:** Prevent leakage or spillage into the environment. Do not let product enter into drains.
- Methods for Clean Up:** Use personal protective equipment when cleaning spilled product. Absorb liquid with absorbent material and then place in a closed container for hazardous waste disposal. Wash spill site after liquid cleanup is complete with cleansers appropriate for the spill site surface material.

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## SECTION 7 – HANDLING AND STORAGE

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- Precautions for Handling:** Avoid contact with eyes, skin or clothing. Avoid inhalation of vapor or mist. Product may cause allergic reaction.
- Storage:** Keep container tightly closed and in the upright position. Store at -20°C or below.

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## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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- Components with workplace control parameters:** Contains no substances with occupational exposure limit values.
- Engineering Controls:** Handle with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.
- Personal Protective Equipment:**
- Respiratory:** Respirator is not required. Avoid breathing fumes and limit exposure time.
- Hand:** Chemical resistant gloves required.
- Eye:** Safety glasses or goggles required.
- Clothing:** Laboratory coat required.
- General Hygiene Measures:** Wash hands thoroughly after handling.

# Safety Data Sheet

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## SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

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**Appearance:** Frozen, yellow tinted liquid

**Upper/lower flammability or Explosive limits:** No data available

**Odor:** No data available

**Vapor pressure:** No data available

**Odor threshold:** No data available

**Vapor density:** No data available

**pH:** No data available

**Relative density:** No data available

**Freezing point:** No data available

**Solubility:** Soluble in water

**Boiling point:** No data available

**Flash point:** No data available

**Evaporation rate:** No data available

**Flammability:** Not flammable

**Upper/lower flammability or explosive limits:** No data available

**Partition coefficient: n-octanol/water:** No data available

**Auto-ignition temperature:** No data available

**Viscosity:** No data available

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## SECTION 10 – STABILITY AND REACTIVITY

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**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage and usage conditions.

**Possible hazardous reactions:** No data available

**Conditions to be avoided:** No data available

**Incompatible materials:** Oxidizing agents, strong acids

**Hazardous decomposition products:** Carbon oxides, nitrogen oxides, sulfur oxides and sodium oxides may be released in a fire.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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### Information on toxicological effects

**Acute toxicity:** No data available

**Skin corrosion/irritation:** No data available

**Serious eye damage/irritation:** No data available

**Respiratory or Skin sensitization:** No data available

**Germ Cell mutagenicity:** No data available

### Carcinogenicity

**NTP:** not listed  
**IARC:** not listed  
**OSHA:** not listed

**Reproductive toxicity:** No data available

# Safety Data Sheet

**Specific target organ toxicity – single exposure:** No data available

**Specific target organ toxicity – repeated exposure:** No data available

**Aspiration hazard:** No data available

## **Additional Information:**

RTECS: Not available

Liver – irregularities – Based on human evidence (Streptomycin Sulfate and Amphotericin B).

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## **SECTION 12 – ECOLOGICAL INFORMATION**

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**Toxicity:** No data available

**Persistence/Degradability:** No data available

**Bioaccumulation Potential:** No data available

**Mobility in Soil:** No data available. Expected to be mobile in soil due to high solubility in water.

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## **SECTION 13 – DISPOSAL CONSIDERATIONS**

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**Appropriate disposal of product:** Offer surplus product to a licensed disposal company. Dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner or scrubber.

**Appropriate disposal containers:** Follow procedure for unused product.

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## **SECTION 14 – TRANSPORT INFORMATION**

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**DOT:** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

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## **SECTION 15 – REGULATORY INFORMATION**

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**SARA 302 Components:** No chemicals in this product are subject to SARA Title III, Section 302.

**SARA 313 Components:** This product does not contain chemical components with known CAS numbers that exceed the threshold (De Minimus) reporting levels established by SARA Title III, Section 313.

**SARA 311/312:** Acute health hazard, Chronic health hazard

**Massachusetts Right to Know Components:** No components are subject to Massachusetts Right to Know Act.

### **Pennsylvania Right to Know Components:**

Water	CAS number:	7732-18-5
Gentamicin Sulfate	CAS number:	1405-41-0
Amphotericin B	CAS number:	1397-89-3

### **New Jersey Right to Know Components:**

Gentamicin Sulfate	CAS number:	1405-41-0
Amphotericin B	CAS number:	1397-89-3

# Safety Data Sheet

**California Prop. 65 Components:** This product does not contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

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## SECTION 16 – OTHER INFORMATION

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### Preparation information:

**Prepared by:** Quality Department

**Date Prepared:** May 12, 2021

**Replaced Version date:** May 12, 2017

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