

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: (443) 393-0393

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/vapours/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

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

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Principal Components:	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

SECTION 4 – FIRST AID MEASURES

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.

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SECTION 5 – FIRE FIGHTING MEASURES

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.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 – HANDLING AND STORAGE

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.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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.

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SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

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

SECTION 10 – STABILITY AND REACTIVITY

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.

SECTION 11 – TOXICOLOGICAL INFORMATION

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

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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).

SECTION 12 – ECOLOGICAL INFORMATION

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.

SECTION 13 – DISPOSAL CONSIDERATIONS

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.

SECTION 14 – TRANSPORT INFORMATION

DOT: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

SECTION 15 – REGULATORY INFORMATION

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

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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.

SECTION 16 – OTHER INFORMATION

Preparation information:

Prepared by: Quality Department
Date Prepared: May 12, 2017
Replaced Version date: NA

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