

Safety Data Sheet

LIFELINE CELL TECHNOLOGY SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name: Penicillin-Streptomycin (Xeno-Free)

Product Number: LS-1073

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

Specific target organ systemic toxicity (single exposure) (Category 2), H371

Reproductive toxicity (Category 2), H361

GHS Label elements including precautionary statements:



Pictograms:

Signal word: Danger

Hazard statements

H317	May cause allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulty if inhaled
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H371	May cause damage to organs
H402	Harmful to aquatic life

Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required.
P285	In case of inadequate ventilation wear respiratory protection

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P302+P352	If on skin: Wash with plenty of soap and water
P304+P341	If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+P313	If exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P363	Wash contaminated clothing 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:	Penicillin G	CAS number:	69-57-8
	Streptomycin Sulfate	CAS number:	3810-74-0
	Water	CAS number:	7732-18-5

Composition: The subject formulation is a mixture of Penicillin G, Streptomycin Sulfate, Amphotericin B and stabilizing agents in water.

Hazardous components:

Streptomycin Sulfate: CAS #: 3810-74-0 EC #: 223-286-0
Concentration: 1-5%
Classification: Acute Tox. 4; Repr. 2; H302, H361

Penicillin G*: CAS #: 69-57-8 EC #: 200-710-2
Concentration: 1-5%
Classification: Resp. Sens. 1; Skin Sens. 1; H317, H334

*Sodium [2S-(2 α , 5 α , 6 β)]-3,3-dimethyl-7-oxo-6-(phenylacetamido)4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate

Synonym: PSA, Pen-Strep-Amphotericin B

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, clear 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: Strong oxidizing agents, strong acids and heavy metal salts

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

Reproductive toxicity: May cause adverse reproductive effects – such as birth defects, miscarriages, or infertility.

Sensitization: R43 – May cause sensitization by skin contact R42 – May cause sensitization by inhalation

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Carcinogenicity

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

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: No data available
Acute aquatic toxicity: Category 3
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

New Jersey Right to Know Components:

Streptomycin Sulfate CAS number: 3810-74-0
Penicillin G* CAS number: 69-57-8

*Sodium [2S-(2 α , 5 α , 6 β)]-3,3-dimethyl-7-oxo-6-(phenylacetamido)4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate

California Prop. 65 Components: WARNING: This product contains a chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Streptomycin Sulfate CAS number: 3810-74-0

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SECTION 16 – OTHER INFORMATION

Preparation information:

Prepared by: Quality Department
Date Prepared: November 23, 2015
Replaced Version date: N/A

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