

# Safety Data Sheet

## LIFELINE CELL TECHNOLOGY SAFETY DATA SHEET

### SECTION 1 – PRODUCT AND COMPANY INFORMATION

**Product Name:** Hydrocortisone Hemisuccinate

**Product Number:** LS-1007

**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/Tissue culture

### SECTION 2 – HAZARDS IDENTIFICATION

**Hazardous Components:** Not a hazardous substance or mixture

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<b>Principal Components:</b>	Hydrocortisone hemisuccinate	CAS number:	125-04-2
	Water	CAS number:	7732-18-5

**Composition:** The item formulation is a vital corticosteroid hormone. With the exception of purified water, all ingredients are in concentrations of less than 1%.

**Synonym:** Hydrocortisone 21-Hemisuccinate Sodium, A-Hydrocort, Buccalsone, Corlan, Cortisol Hemisuccinate Sodium Salt, Cortisol 21-(Hydrogen Succinate), Cortisol Sodium Hemisuccinate, Cortisol Sodium Succinate, Cortisol 21-Sodium Succinate, EF-Cortelan Soluble, EMI-Corlan, Flebocortid, Hycorace, Hydrocortisone Sodium Succinate, Hydrocortisone 21-Sodium Succinate, Intracort, Nordicort, Oralsone, Sodium Hydrocortisone Succinate, Sodium Hydrocortisone 21-Succinate, Solucortef

### SECTION 4 – FIRST AID MEASURES

#### Potential Health Effects:

**Eye:** May cause irritation of the eye.

**Skin:** May cause skin irritation.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

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## First aid measures:

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

**Dermal Exposure:** In case of contact with skin, flush with copious amounts of water for at least 15 minutes. Should irritation occur, 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.

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## SECTION 5 – FIRE FIGHTING MEASURES

**General Fire hazard:** Product does not present any special fire hazard. Carbon oxides may be released in a fire.

**Flash point:** N/A

**Extinguishing media:** Use media appropriate for the material that is burning.

**Advice for Firefighters:** Wear self-contained breathing apparatus if necessary.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal Precautions and Protective Equipment:** Refer to section 8 for appropriate personal protection.

**Environmental Precautions:** No special environmental precautions are required.

**Methods for Clean Up:** Absorb liquid with disposable laboratory towel or other absorbent material and then place in a closed container for 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

**Precautions for Handling:** Refer to section 8 for appropriate personal protection. Avoid contact with eyes, skin or clothing. Product may cause allergic reaction in sensitized individuals. Do not pipet by mouth.

**Storage:** Keep container tightly closed. Store at -20°C or below. Protect from light.

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## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure limits:** Not listed on the OSHA Occupational Chemical database.

**Engineering Controls:** Eye wash stations are required.

**Ventilation:** Area ventilation is generally adequate.

### Personal Protective Equipment:

**Respiratory:** Respirator is not required.  
**Hand:** Chemical resistant gloves required.  
**Eye:** Safety glasses or goggles required.  
**Clothing:** Laboratory coat recommended.

**General Hygiene Measures:** Wash hands thoroughly after handling.

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## SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

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**Appearance:** Frozen, clear liquid above ~0° C.

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

**Odor:** Odorless

**Vapor pressure:** No data available

**Odor threshold:** No data available

**Vapor density:** No data available

**pH:** Neutral

**Relative density:** No data available

**Freezing point:** ~0° C

**Solubility:** Completely soluble in water

**Boiling point:** ~100° C

**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:** Strong oxidizing agents

**Hazardous decomposition products:** Carbon oxides may be released in a fire.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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**Likely routes of exposure:** Ingestion, skin, eye contact.

### Acute toxicity

**Oral LD50:** No data available

**Inhalation LC50:** No data available

**Dermal LD50:** No data available

**Other:** LD50 intraperitoneal – rat - 1,320 mg/kg

**Chronic toxicity:** This product is a glucocorticoid. Repeated exposure can cause: damage to eyes, disturbances of electrolyte balance, osteoporosis and spontaneous fractures, hyperglycemia, delayed wound healing, increased liability to infection, acne, weight gain, emotional instability and neurological disturbances.

**Skin corrosion:** No data available

**Eye damage:** No data available

**Sensitization (Respiration or Skin):** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** Some glucocorticoid show carcinogenic or teratogenetic activity.

**Reproductive toxicity:** No data available

**Teratogenicity:** Some glucocorticoid show carcinogenic or teratogenetic activity

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## Carcinogenicity

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

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## SECTION 12 – ECOLOGICAL INFORMATION

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**Ecotoxicity:** No data available  
**Persistence/Degradability:** No data available  
**Bioaccumulation Potential:** No data available  
**Mobility in Soil:** No data available. Expected to be mobile because it is an aqueous solution.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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**RCRA hazardous waste code:** Not listed as a hazardous waste.  
**Appropriate disposal containers:** No specific restrictions on waste container type.  
**Appropriate Method of Disposal:** Clean up and dispose of waste in accordance with all federal, state and local environmental regulations.

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## SECTION 14 – TRANSPORT INFORMATION

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**UN number:** N/A  
**Proper Shipping Name:** None.  
**DOT:** Non-hazardous for transport.  
**IMDG:** Non-hazardous for transport.  
**IATA:** Non-hazardous for transport.

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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:** Chronic health hazard

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

**Pennsylvania Right to Know Components:**

Hydrocortisone hemisuccinate	CAS number:	125-04-2
Water	CAS number:	7732-18-5

**New Jersey Right to Know Components:**

Hydrocortisone hemisuccinate	CAS number:	125-04-2
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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.

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## SECTION 16 – OTHER INFORMATION

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### Preparation information:

**Prepared by:** Quality Department  
**Date Prepared:** April 28, 2021  
**Replaced Version date:** January 19, 2015

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