

• Section 1 – Identification

Product Name: First Defense Technology™ Single Dose Gel Tubes
Manufacturer: ImmuCell Corporation
Address: 56 Evergreen Drive
Portland, ME 04103
Phone: (207) 878-2770
Fax: (207) 878-2117
Issue Date: 05/14/2012
Supersedes Date: N/A
Product Use: Nutritional Health Supplement for Newborn Calves

• Section 2 –Hazard(s) Identification

Hazardous Ingredient: None.

• Section 3 – Composition / Information on Ingredients

<u>Ingredients</u>	<u>C.A.S. #</u>	<u>% by Wt</u>
Soybean Oil	68122-64-2	Proprietary
Dried Whey Protein Concentrate	91082-88-1	Proprietary
Powdered Sugar	57-50-1	Proprietary
Lecithin	8002-43-5	Proprietary
NutrLinx Flavor	N/A	Proprietary
Dextrose	50-99-7	Proprietary
Silicon Dioxide	7631-86-9	Proprietary
FD&C Blue #1 Aluminum Lake	68921-42-6	Proprietary
Corn Starch	9005-25-8	Proprietary
Butylated hydroxyanisole (BHA)	25013-16-5	0.01%
Butylated hydroxytoluene (BHT)	128-37-0	0.01%

• Section 4 – First Aid Measures

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

Inhalation Exposure: Low hazard. Massive dose may cause irritation.

Dermal Exposure: May cause skin irritation with prolonged contact.

Eye Exposure: If contact occurs, flush eyes with copious amounts of water for a minimum of 15 minutes. Separate eyelids to assure adequate flushing.

• Section 5 – Fire Fighting Measures

Autoignition Temp: N/A

Flammability: N/A

Extinguishing Media Suitable: N/A

Protective Equipment: N/A

Unusual Fire and Explosion Hazards: None; noncombustible liquid.

• Section 6 – Accidental Release Measures

Personal Precautions: In the event of an accidental spill wear safety goggles.

Clean Up Procedures: Contain spill and absorb with inert material/paper towels, etc. and dispose of in accordance of local, state, and federal regulations.

• Section 7 – Handling and Storage

Storage: Ideally store product at 36-46°F.

Handling: Handle with care so that syringe cap isn't disturbed and product potentially contaminated.

• Section 8 – Exposure Controls / Personal Protection

Hand: N/A

Eye: Chemical safety goggles.

• Section 9 – Physical and Chemical Properties

Physical/Chemical State: Emulsion

Odor: Citrus

Appearance: Dark Blue gel/paste

<u>Property</u>	<u>Value</u>
pH	N/A
BP/BP Range (°F)	N/A
MP/MP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	~1.0
Bulk Density	N/A
Odor Threshold	N/A
Volatile %	N/A
VOC Content	N/A

• Section 9 – Physical/ Chemical Properties (continued)

Water content (%)	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point °F	N/A
Flash Point °C	N/A
Explosion Limits	N/A
Autoignition Temp	N/A
Solubility	Slightly

• Section 10 – Stability and Reactivity

Stability: Stable

Materials or Conditions to avoid: Strong oxidizers and temperatures above 46°F.

Hazardous decomposition products: N/A

Hazardous polymerization: N/A

• Section 11 – Toxicological Information

Form of Exposure

Skin contact: No health effects are expected.

Eye Contact: May cause eye irritation. See First Aid Guidelines for more information.

Inhalation: Low hazard. Massive dose may cause irritation.

Signs/Symptoms of Exposure: No health effects are expected.

• Section 12 – Ecological Information

Ecotoxicological Information: Not determined.

Chemical Fate Information: Not determined.

• Section 13 – Disposal Considerations

Proper Disposal: *Wrap in several layers of newspaper and dispose of in accordance of local, state and federal regulations.

*Note: Since local regulation vary, consult applicable regulations before disposal.

- **Section 14 – Transport Information**

DOT Classification: N/A

Special Provisions for Transport: Product must stay cool until use and shall be transported on ice.

- **Section 15 – Regulatory Information**

Contact ImmuCell for more information.

- **Section 16 – Other information**

Contact ImmuCell for more information.