

• Section 1 – Identification

Product Name: TRI-SHIELD™ First Defense®, Bovine Rotavirus-Coronavirus-Escherichia Coli Antibody
Manufacturer: ImmuCell Corporation
Address: 56 Evergreen Drive
 Portland, ME 04103
Phone: (207) 878-2770
Fax: (207) 878-2117
Issue Date: 24 May 2019
Supersedes Date: N/A
Product Use: Colostrum-derived, one time preventative treatment for newborn calf scours

• Section 2 –Hazard(s) Identification

Hazardous Ingredient: Thimerosal ($\leq 0.01\%$)

• 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 |
| NutriLinx 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 |
| Bovine Rotavirus-Coronavirus-E. coli Antibody | N/A | 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. Call a physician.

• 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 with local, state, and federal regulations.

• Section 7 – Handling and Storage

Storage: Product must be stored at 2-8°C (36-46°F).

Handling: Handle with care so that syringe cap is not 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: Dispersion

Odor: Citrus

Appearance: Dark blue gel

| <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 soluble in water |

• Section 10 – Stability and Reactivity

Stability: Stable

Materials or Conditions to avoid: Strong oxidizers and temperatures above 8°C or 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.