



# SAFETY DATA SHEET

## Section 1 Product and Company Identification

**Chemical Product or Sample Name:** TrueClot® Blood Simulant Concentrate (Item #s 5115, 5117)

**CAS Number:** Mixture

**Synonyms:** None

**Recommended Use(s):** Medical training; research and development

**Company Information:** Luna Labs USA LLC  
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## Section 2 Hazards Identification

### **EMERGENCY OVERVIEW**

#### Hazardous Materials Identification System (HMIS III)

<b>Physical state:</b> Gel	<b>HEALTH:</b> 0
<b>Color:</b> Dark Red	<b>FLAMMABILITY:</b> 0
<b>Odor:</b> None	<b>PHYSICAL HAZARDS:</b> 0
	<b>Personal Protective Equipment:</b> See SDS Section 8.
<b>Health Hazard</b>	POSSIBLE SKIN AND EYE IRRITANT
<b>Signal Words / Route of Entry:</b>	
<b>Other Hazards / Comments:</b>	NONE

**OSHA /HCS Status:** This material is not considered to be hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### **POTENTIAL HEALTH EFFECTS**

**Potential routes of entry:** Eyes, skin lesion.

**Inhalation:** N/A

**Skin Contact:** May cause skin irritation

**Eye Contact:** May cause eye irritation

**Ingestion:** Avoid ingestion, unknown effects.



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Existing conditions N/A  
aggravated by exposure:

See Section 11 for additional toxicological information

**POTENTIAL ENVIRONMENTAL EFFECTS**

Unknown

**Section 3 Composition and Information on Ingredients**

Nanomaterial or contains nanomaterials (engineered) with at least one dimension of <100 nm)? No

Component(s)	CAS #	Vol %
Surfactant	Unavailable	90-99
Proprietary Polymer	Unavailable	0.1-5%
Proprietary Pigments	Unavailable	0.1-5%
Antimicrobial agent	Unavailable	0.05-0.1%

**Section 4 First Aid Measures**

**Eye Contact:** Rinse with water for 15 minutes, seek medical attention if irritation persists.  
**Skin Contact:** Rinse with soap and water, seek medical attention if irritation persists.  
**Inhalation:** N/A  
**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Seek medical attention if symptoms appear.  
**Notes to physician:** N/A

**Section 5 Fire Fighting Measures**

See Section 9 for flammable properties.	
<b>Special Fire Fighting Procedures:</b>	None
<b>Extinguishing media:</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.
<b>Protective Equipment:</b>	None
<b>Unusual Fire or Explosion Hazards:</b>	
<b>Hazardous combustion products:</b>	Unknown

**Section 6 Accidental Release Measures**

Isolate the spill and clean using absorbent material.

**Personal Protection:** Wear PPE per Section 8.  
**Spill Procedures:** Isolate spill and contain with absorbent materials.  
**Environmental Precautions and Cleanup Methods:** Dispose of in accordance with federal and state waste regulations.

**Section 7 Handling and Storage**



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**Precautions:** None  
**Storage:** None

### Section 8 Exposure Controls and Personal Protection

**Engineering Controls/ Ventilation:** None  
**Eye Protection:** Wear ANSI approved safety goggles/glasses if there is a risk of splashing.  
**Respiratory Protection:** None  
**Skin Protection:** Wear nitrile or latex gloves if user has sensitive skin or is prone to skin irritation.

### Section 9 Physical and Chemical Properties

**Appearance (color, physical form, shape):** Red Liquid  
**Odor Characteristics:** Unknown  
**Odor Threshold:** Unknown  
**pH:** 7 (estimated)  
**Flash Point:** Unknown  
**Flammability (solid, gas):** Unknown  
**Initial Boiling Point and Boiling Range:** >100°C (estimated)  
**Evaporation Rate:** Unknown  
**Melting/Freezing Point:** Unknown  
**Upper/Lower Flammability or Explosive Limits:** Unknown  
**Vapor Pressure:** Unknown  
**Vapor Density:** Unknown  
**Specific Gravity or Relative Density:** Unknown  
**Solubility (specify solvent):** Soluble in water  
**Auto-ignition Temperature:** Unknown  
**Decomposition Temperature:** Unknown  
**% Volatile:** Unknown  
**Partition Coefficient:** Unknown  
**Viscosity:** Variable depending on formulation

### Section 10 Stability and Reactivity

**Stability:** N/A  
**Hazardous polymerization:** N/A  
**Hazardous Decomposition Products:** N/A  
**Incompatibilities:** N/A  
**Conditions to avoid:** N/A



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### Section 11 Toxicological Information

#### Carcinogenicity

<b>Carcinogenic listed by IARC:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Carcinogenic by NTP:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
<b>Carcinogenic by OSHA:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

#### Acute Toxicity

**Acute Effects:** Information not available

### Section 12 Environmental Information

**Ecotoxicological Information:** Unknown  
**Chemical Fate Information:** Unknown

### Section 13 Disposal Considerations

Material may be diluted and safely washed down a sink or disposed of in regular trash. After use dispose of material safely and in accordance with local, state, and federal regulations. It is the responsibility of the waste generator to determine the proper waste identification and disposal methods.

### Section 14 Transportation Information

#### DOT:

**Proper Shipping Name:** NOT REGULATED  
**Hazard Class:**  
**Packing Group:**  
**UN Number:**

#### IATA:

**Proper Shipping Name:** NOT REGULATED  
**Hazard Class:**  
**Packing Group:**  
**UN Number:**

**Additional labeling (if required):**

### Section 15 Regulatory Information

**TSCA Inventory Status:** All components TSCA listed or exempt

### Section 16 Other Information



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**Research Notice:** The information provided herein is for a research sample and represents the results of preliminary investigations. This research sample is for use by qualified research personnel only. It is offered in good faith, consistent with 29 CFR 1910.1200, recognizing that additional information, including data on hazardous properties, may be developed at a later time.

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