

## **Section 1 Product and Company Identification**

**Chemical Product or** Sample Name:

TrueClot® Blood Simulant Clotting Solution (Item # 5132)

**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)

Physical state: Liquid **HEALTH**: 0

> Color: **FLAMMABILITY**: 0 clear PHYSICAL HAZARDS: 0 Odor: None

> > Personal Protective See SDS Section 8.

**Equipment:** 

POSSIBLE SKIN AND EYE IRRITANT **Health Hazard** 

Signal Words / Route of Entry:

Other Hazards / **NONE** 

Comments:

OSHA/HCS This material is not considered to be hazardous by the OSHA Hazard

Status: 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 **Eve Contact:** May cause eye irritation

Ingestion: Avoid ingestion, unknown effects.



**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 %
Water	7732-18-5	85-99%%
Proprietary Additive	N/A	1-15%

# Section 4 First Aid Measures

Rinse with water for 15 minutes, seek medical attention if irritation **Eye Contact:** 

persists.

**Skin Contact:** Rinse with soap and water, seek medical attention if irritation

persists.

Inhalation: N/A

Do NOT induce vomiting unless directed to do so by medical Ingestion:

personnel. Seek medical attention if symptoms appear.

Notes to physician: N/A

# Section 5 Fire Fighting Measures

See Section 9 for flammable properties.

**Special Fire Fighting Procedures:** None

Extinguishing media: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use

water spray, fog or foam.

**Protective Equipment:** None **Unusual Fire or Explosion Hazards:** None

None

**Hazardous combustion products:** Unknown

# Section 6 Accidental Release Measures

Isolate the spill and deny entry to unnecessary and unprotected personnel.

**Personal Protection:** Wear PPE per Section 8.

**Spill Procedures:** Isolate spill and contain with absorbent materials. **Environmental Precautions and** Dispose of in accordance with federal and state waste

**Cleanup Methods:** regulations

#### Section 7 Handling and Storage



Precautions: None Storage: None

Section 8 Exposure Controls and Personal Protection

**Engineering Controls/** 

None

Ventilation

**Eve Protection:** Wear ANSI approved safety goggles/glasses if there is a risk of splashing.

Respiratory None

Protection:

**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): Clear Liquid **Odor Characteristics:** Unknown **Odor Threshold:** Unknown pH: 6.5 - 7.5Flash 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 Unknown

Limits:

**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** N/A

**Products:** 

Incompatibilities: N/A Conditions to avoid: N/A

### **Section 11 Toxicological Information**

**Carcinogenicity** 

Carcinogenic listed by No component of this product present at levels greater than or equal IARC:

to 0.1% is identified as probable, possible or confirmed human

carcinogen by IARC.



Carcinogenic by NTP: 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

Carcinogenic by OSHA: 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 or Chronic Toxicity

Acute Effects: Administration of mixture (composed of similar but not identical components)

> produced very slight to well-defined erythema and very slight edema by the 1 hour scoring interval on when tested on intact and abraded skin of New Zealand white rabbits. Complete resolution of irritation occurred by the Day 7 scoring interval. Additional dermal observations included red staining of the test sites; however, the staining did not affect the ability to score the test sites. Mixture

was score as a slight irritant by contract research laboratory.

**Chronic 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:** 

# **Section 15 Regulatory Information**

**TSCA Inventory Status:** All Components of this product are TSCA listed.

### **Section 16 Other Information**

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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