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**SAFETY DATA SHEET**

**HELENA LABORATORIES**  
**1530 Lindbergh Dr.**  
**Beaumont, TX 77707**  
**USA Toll Free 800-231-5663**

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DATE PREPARED: 6/4/2024

REVISION: 8

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**1. IDENTIFICATION****Product number:** 3415**Product identifier used on the label:** SPIFE Alkaline Hemoglobin Kit**Other means of identification:**

<b>Component Name</b>	<b>Component Number</b>
SPIFE Alkaline Hemoglobin Gel Kit, 551977	
SPIFE Alkaline Hemoglobin Gel	551760 or 552624
Hemolysate Reagent	551965
Acid Blue Stain	551151
Citric Acid Destain	551959

**Recommended use of the chemical and restrictions in use:** For In-Vitro Diagnostic use.**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**

Helena Laboratories  
1530 Lindbergh Dr.  
Beaumont, TX 77707  
Tel: (409) 842-3714  
USE Toll Free 800-231-5663

**Emergency phone number:**(409) 842-3714

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**2. HAZARD IDENTIFICATION****Classification of the chemical:**

Component Name	GHS Classification	Hazard Statement
Hemolysate Reagent	Oral/Dermal (Category 4)	Harmful
Citric Acid Destain (Powder)	Eye/Skin (Category 2)	Irritant

**Note:** All other components present no significant physical or chemical hazard.

**Note:** Citric Acid Destain is not hazardous (< 1%) when dissolved following instructions on label.

**Label elements:**

**Signal word:** Warning

**Precautionary Statements:**

**Skin:** May cause skin irritation

**Eye:** May cause eye irritation

**Inhalation:** May be harmful if inhaled

**Ingestion:** Harmful if swallowed

Wear protective gloves / protective clothing / eye and face protection.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component Name	Chemical Name	CAS #	Concentration
Hemolysate Reagent	Potassium Cyanide	151-50-8	< 0.1 %
Citric Acid Destain (Liquid)	Citric Acid	77-92-9	< 1%

**Note:** All other components present no significant physical or chemical hazard.

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**4. FIRST AID MEASURES****Description of first aid measures:**

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin contact:** Immediately wash off with soap and plenty of water. If skin irritation occurs , get medical attention. Take off contaminated clothing .

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

**Ingestion:** Do not induce vomiting. Rinse mouth with water. Consult a physician.

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## 5. FIREFIGHTING MEASURES

**Extinguishing media:** Suitable extinguishing media (Water spray, Dry chemical, carbon dioxide, or Alcohol resistant foam) should be used.

**Special hazards arising from the substance or mixture:** Emit toxic fumes when heated

**Special protective equipment and precautions for fire-fighters:** Wear proper protective equipment and self contained breathing apparatus for firefighting if necessary.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear personal protective equipment. Soak up with inert absorbent material and transfer to container for proper disposal.

**Methods and materials for containment and cleaning up:** Do not allow material to enter drains/surface water/ground water. Ventilate the area.

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## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Wear personal protective equipment; avoid contact with skin and eye.

**Conditions for safe storage, including any incompatibilities:** Store all kit components as per specified instructions.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits (AGGIH TLV & OSHA PEL):** No data available

**Exposure controls**

**Respiratory protection:** Use NIOSH approved respirators.

**Skin protection:** Wear appropriate protective gloves and suitable protective clothing.

**Eye protection:** Wear appropriate safety glasses or goggles.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Hemolysate Reagent

**Appearance:** Clear, colorless liquid

**Odor:** No data available

**Odor threshold:** No data available

**pH:** No data available

**Melting point/Freezing point:** No data available

**Initial boiling point and range:** No data available

**Flash point:** No data available

**Evaporation rate:** No data available

**Flammability (solid, gas):** No data available

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

**Vapor pressure:** No data available

**Relative density:** No data available

**Solubility in water:** Fully soluble

**Partition coefficient: n-octanol/water:** No data available

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity:** No data available

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**Citric Acid Destain**

Citric Acid Destain is not hazardous (< 1%) when dissolved following instructions on label.

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**10. STABILITY AND REACTIVITY**

**Reactivity:** Stable under recommended transport or storage conditions.

**Chemical stability:** Stable under normal conditions

**Possibility of hazard reaction:** Hazard reactions will not occur under normal transport or storage conditions.

**Conditions to avoid:** Heat, Hot surfaces, Flames

**Incompatible materials:** No data available

**Hazard decomposition products:** No data available

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**11. TOXICOLOGICAL INFORMATION**

**Hemolysate Reagent: The Calculated ATE value:** LD50 oral = 10000 mg/kg

Chemical Name	LD 50 (oral, rat)
Potassium Cyanide	7.49 mg/kg

**Potential health effects:**

**Skin:** May cause skin irritation.

**Eye:** May cause eye irritation

**Inhalation:** May be harmful if inhaled.

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

**Carcinogenicity:** No components are listed as carcinogen by AGGIH, IARC, OSHA or NTP.

**Other important toxicological hazards:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available

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**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

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### 13. DISPOSAL CONSIDERATION

Observe all federal, state and local regulations.

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### 14. TRANSPORT INFORMATION

**DOT (US):** Regulated as Hazardous Material during transportation

**UN number:**

**UN proper shipping name:**

**Transport hazard class:**

**Packing group:**

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### 15. REGULATORY INFORMATION

**US State Right to Know Laws:**

**California Proposition 65:**

**Hemolysate Reagent:** This product contains a Potassium Cyanide, which is known to the State of California to cause developmental harm.

For more information, go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

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### 16. OTHER INFORMATION

**SDS Creation date:**

**Revision:** 8

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Helena Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.