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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: 7

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**1. IDENTIFICATION**

**Product number:** 3419, 3519

**Product identifier used on the label:** QuickGel Acid Hemoglobin Kit -SPIFE ,  
QuickGel Acid Hemoglobin Kit

**Other means of identification:**

<b>Component Name</b>	<b>Component Number</b>
QuickGel Acid Hemoglobin Gel	552006
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 protections.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS #	Concentration
QuickGel Acid Hemoglobin Gel	Thimerosal	54-65-8	< 0.1 %
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

**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

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

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**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:**

**QuickGel Acid Hemoglobin Gel:** This product contains a Thimerosal, which is known to the State of California to cause Developmental harm.

**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:** 1/08/14

**Revision:** 7

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.