

**HELENA LABORATORIES****SAFETY DATA SHEET**

DATE PREPARED: 7/23/2025

REVISION: 1

**1. IDENTIFICATION****Product number:** 5125**Product identifier used on the label:** Hemolysate Reagent**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  
USA Toll Free 800-231-5663

**Emergency phone number:**

(409) 842-3714

**2. HAZARD IDENTIFICATION****GHS Classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)****Label elements:****Signal word:** Warning**Precautionary Statements:**

May be fatal if swallowed, in contact with skin or if inhaled.

Wear protective gloves, protective clothing, eye and face protections.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component Name	Chemical Name	CAS #	Concentration
Hemolysate Reagent	Potassium Cyanide	151-50-8	< 0.08 %

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**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:** Non-combustible.

**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 on label.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limits (AGGIH TLV & OSHA PEL):

Chemical Name	AGGIH TLV	OSHA PEL
Potassium cyanide	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

### Exposure controls

**Respiratory protection:** Not normally required

**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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## 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

**Hazard decomposition products:** No data available

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## 11. TOXICOLOGICAL INFORMATION

**Product Information:** No acute toxicity information is available for this product.

**Oral LD50:** Based on ATE data, the classification criteria are not met. ATE>2000 mg/kg.

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

### Potential health effects:

Irritating to eyes, respiratory system and skin

**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:** The product contains Potassium Cyanide which are hazardous for the environment.

**Persistence and degradability:** Soluble in water. Persistence is unlikely based on information available.

**Bioaccumulative potential:** No information available

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**Mobility in soil:** Will likely be mobile in environment due to its water solubility.

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### 13. DISPOSAL CONSIDERATION

Waste material must be disposed of in accordance with the national and local regulations.

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### 14. TRANSPORT INFORMATION

**DOT (US):** Not Regulated

**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)

**International Regulations:**

EU Reach (1907/2006) - Annex XVII, Use restricted: Potassium Cyanide

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### 16. OTHER INFORMATION

**SDS Creation date:** 7/23/2025

**Revision:** 1

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.