
SAFETY DATA SHEET

HELENA LABORATORIES
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DATE PREPARED: 6/4/2024

REVISION: 4

1. IDENTIFICATION**Product number:** 2415**Product identifier used on the label:** SPIFE Nexus Alkaline Hemoglobin Kit**Other means of identification:**

Component Name	Component Number
SPIFE Nexus Alkaline Hemoglobin Gel Kit, 552733	
SPIFE Alkaline Hemoglobin Gel	551760 or 552624
Hemolysate Reagent	551965
SPIFE Nexus Blue	552684
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:**

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1530 Lindbergh Dr.
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Tel: (409) 842-3714
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Emergency phone number:(409) 842-3714

2. HAZARD IDENTIFICATION

Classification of the chemical:

Component Name	GHS Classification	Hazard Statement
Hemolysate Reagent	Oral/Dermal (Category 4)	Harmful
SPIFE Nexus Blue	Eye/Skin (Category 4)	Irritant
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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS #	Concentration
Hemolysate Reagent	Potassium Cyanide	151-50-8	< 0.1 %
SPIFE Nexus Acid Blue Liquid Stain	Acetic Acid	64-19-7	5 %
Citric Acid Destain (Liquid)	Citric Acid	77-92-9	< 1 %

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

4. FIRST AID MEASURES

Description of first aid measures:

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- 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.

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.

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.

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.

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

SPIFE Nexus Blue

Appearance: Dark Blue Liquid

Odor: Vinegar

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: 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.

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

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

SPIFE Nexus Blue: The Calculated ATE value: LD50 oral = 66666 mg/kg

Chemical Name	LD 50 (oral, rat)
Acetic Acid	3310 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.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

13. DISPOSAL CONSIDERATION

Observe all federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (US): Regulated as Hazardous Material during transportation

UN number:

UN proper shipping name:

Transport hazard class:

Packing group:

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

SDS Creation date: 2/16/2023

Revision: 4

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.