
SAFETY DATA SHEET

HELENA LABORATORIES
1530 Lindbergh Dr.
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USA Toll Free 800-231-5663

DATE PREPARED: 6/4/2024

REVISION: 4

1. IDENTIFICATION**Product number:** 2418**Product identifier used on the label:** SPIFE Nexus Acid Hemoglobin Kit**Other means of identification:**

| Component Name | Component Number |
|---|-------------------------|
| SPIFE Nexus Acid Hemoglobin Gel Kit, 552734 | |
| SPIFE Acid Hemoglobin Gel | 552605 |
| 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 2) | 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 Blue | Acetic Acid | 64-19-7 | 5 % |
| Citric Acid Destain (Liquid) | Citric Acid | 77-92-9 | < 1% |
| SPIFE Acid Hemoglobin Gel | Thimerosal | 54-65-8 | <0.1% |

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: Not listed as carcinogen by AGGIH, IARC, NTP or OSHA

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

US State Right to Know Laws:

California Proposition 65:

SPIFE 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

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.