

# HELENA LABORATORIES

# KIT SAFETY DATA SHEET

**Kit Product Name:** SPIFE Nexus Split Beta SPE-60, 40, 20 Kit

**Kit Catalog Number(s):** 2420, 2421, 2422

DATE PREPARED: 7/30/2025

REVISION: 4

---

## Kit Contents:

<b>Component Name</b>	<b>Component Number</b>
SPIFE Split Beta SPE-60, 40, 20 Gel	552506
SPIFE Nexus Blue	552684
Citric Acid Destain	551959

## HELENA LABORATORIES

## SAFETY DATA SHEET

DATE PREPARED: July 30, 2025

REVISION: 1

---

**1. IDENTIFICATION****Product identifier used on the label:** SPIFE Split Beta SPE Gel**Product number:** 552506, 552561**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 OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not classified

**GHS Label elements**

No signal word, no hazard statement(s), no precautionary statement(s) required

**Other Hazards**

None known.

Handle with standard laboratory precautions.

---

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures:**

Component Name	Chemical Name	CAS #	Concentration
SPIFE IFE Gel	Sodium Barbitol	144-02-5	1.3 %

**Note:** This product contains no other hazardous chemicals at or above OSHA threshold concentrations.

---

### 4. FIRST AID MEASURES

**Inhalation:** Remove person to fresh air. If breathing is difficult, seek immediate medical attention.

**Skin contact:** Wash thoroughly with soap and water. Get medical attention if irritation develops.

**Eye contact:** Immediately flush eyes with water for several minutes. Remove contact lenses if present. Continue rinsing.

**Ingestion:** If swallowed: Immediately make victim drink water. Consult a physician.

---

### 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Water spray, Dry chemical, carbon dioxide, foam.

**Special hazards arising from the substance or mixture:** Emit toxic fumes under fire

**Special protective equipment and precautions for firefighters:** 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

Handle with appropriate PPE to prevent mechanical irritation.  
Store in a cool, dry well-ventilated area.

Protect from physical damage.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

**Exposure controls:**

Respiratory protection not 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.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

SPIFE Split Beta SPE Gel

**Appearance:** Solid (gel)

**Odor:** None

**Odor threshold:** No data available

**pH:** Not applicable

**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

---

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not normally reactive

**Chemical stability:** Stable under normal condition

**Possibility of hazard reaction:** Hazardous polymerization will not occur

**Conditions to avoid:** Avoid contact with incompatible materials and heat

**Incompatible materials:** Oxidizing agents

**Hazard decomposition products:** No data available

---

## 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)
Sodium Barbitol	600 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 Data Available

**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:** Not expected to be hazardous to the environment

**Persistence and degradability:** No data available

**Bio-accumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

---

## 13. DISPOSAL CONSIDERATION

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

---

## 14. TRANSPORT INFORMATION

**DOT (US):** Not regulated

**UN proper shipping name:**

**Transport hazard class:**

**Packing group:**

---

## 15. REGULATORY INFORMATION

**US State Right to Know Laws:**

**California Proposition 65:**

**SPIFE IFE Gel:** This product can expose you to Barbiturates, 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:** No information available

---

**16. OTHER INFORMATION**

**SDS Creation date:** July 30, 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.

## HELENA LABORATORIES

## SAFETY DATA SHEET

DATE PREPARED: 7/30/2025

REVISION: 1

---

**1. IDENTIFICATION****Product identifier used on the label:** SPIFE Nexus Blue**Product number:** 552684**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****Classification of the substrate or mixture****GHS Classification in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Skin irritation           Category 2  
Eye Irritation            Category 2A

**GHS Label elements****Signal word:** Warning**Hazard Statements:**

Cause serious eye irritation  
Cause skin Irritation

**Precautionary Statements:**

Wear protective gloves / protective clothing / eye and face protection.  
Wash skin thoroughly after handling

---

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Concentration
Glacial Acetic Acid	64-19-7	5%
Acid Blue	5850-35-1	< 1%

**NOTE:** This Product contains no other hazardous chemicals at or above OSHA Threshold concentrations.

---

### 4. FIRST AID MEASURES

Description of first aid measures:

**Inhalation:** Remove person to fresh air.

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

**Eye contact:** Immediately flush eyes with plenty of water. Remove contact lenses if present. Consult a physician.

**Ingestion:** If swallowed: Keep respiratory tract clear. Do not give milk or alcoholic beverage. Consult a physician.

---

### 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Water spray, Dry chemical, carbon dioxide, or foam.

**Special hazards:** No hazardous combustion products are known Combustible.

**Special protective equipment and precautions for firefighters:** Self-contained breathing apparatus (SCBA) and full protective clothing gear if necessary.

---

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear personal protective equipment. Evacuate personnel to safe areas. 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, do not inhale, avoid contact with skin and eye.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in dry place.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Chemical Name	CAS #	AGGIH TLV	OSHA PEL
Glacial Acetic Acid	64-19-7	TWA: 10 ppm	10 ppm

### Exposure controls

**Respiratory protection:** No personal respiratory protective equipment normally required. Use NIOSH approved respirators if necessary.

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

**Eye protection:** Wear appropriate safety glasses, goggles or face shield.

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

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**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

---

## 10. STABILITY AND REACTIVITY

**Reactivity:** None known

**Chemical stability:** Stable under normal condition

**Possibility of hazard reaction:** Hazardous polymerization will not occur

**Conditions to avoid:** Exposure to sunlight

**Incompatible materials:** Oxidizing agents, strong Bases

**Hazard decomposition products:** None known

---

## 11. TOXICOLOGICAL INFORMATION

Chemical Name	LD50 (oral, rat)
Glacial Acetic Acid	3310 mg/kg

### Information on likely routes of exposure:

**Skin corrosion/irritation:** Irritating to skin

**Serious eye damage/irritation:** Irritating to eyes

**Carcinogenicity:** Not listed as a carcinogen by IGGIH, IARC, OSHA or NTP.

**Potential Chronic Health Effects:** No known chronic health effects

**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**

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

---

**14. TRANSPORT INFORMATION**

**DOT (US):** Not regulated

---

**15. REGULATORY INFORMATION****US State Right to Know Laws:**

**California Proposition 65:** This product does not contain any Proposition 65 Chemicals

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

**International regulations:**

**EU Reach:** No Information available

---

**16. OTHER INFORMATION**

**SDS Creation date:** 7/30/2025

**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.

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

DATE PREPARED: 5/19/2025

REVISION: 1

---

**1. IDENTIFICATION****Product identifier used on the label:** Citric Acid Destain**Product number:** 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  
USA Toll Free 800-231-5663

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

---

**2. HAZARD IDENTIFICATION****Classification of the substrate or mixture****GHS Classification in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Eye Irritation            Category 2A

Specific target organ toxicity – single exposure            Category 3 (Respiratory system)

**GHS Label elements****Signal word:** Warning**Hazard Statements:**

Cause serious eye irritation.

May cause respiratory irritation.

**Precautionary Statements:**

Avoid breathing dust.

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

Wash skin thoroughly after handling.

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS #	Concentration
Citric Acid Destain	Citric Acid	77-92-9	< = 100 %

---

### 4. FIRST AID MEASURES

#### Description of first aid measures:

**Inhalation:** Remove person to fresh air.

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

**Eye contact:** Immediately flush eyes with plenty of water. Remove contact lenses if present. Consult a physician.

**Ingestion:** If swallowed: immediately make victim drink water. Consult a physician.

---

### 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Water spray, dry chemical, carbon dioxide , or foam.

**Special hazards:** Carbon Oxides. Combustible.

**Special protective equipment and precautions for firefighters:** Self-contained breathing apparatus (SCBA) and full protective clothing gear if necessary.

---

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Wear personal protective equipment. Avoid inhalation of dust. Evacuate personnel to safe areas. 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, do not inhale, avoid contact with skin and eye.

**Conditions for safe storage, including any incompatibilities:** Keep in dry place.

---

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Contains no substances with occupational exposure limit values.

### Exposure controls

**Respiratory protection:** No personal respiratory protective equipment normally required.  
Use NIOSH approved respirators if necessary.

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

**Eye protection:** Wear appropriate safety glasses, goggles or face shield.

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

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Crystalline white powder

**Odor:** None

**Odor Threshold:** No data available

**pH:** No data available

**Melting point/Freezing point:** 153 – 159° C

**Initial boiling point and range:** Not applicable

**Flash point:** Not applicable

**Evaporation Rate:** No data available

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

**Upper/lower Flammability or explosive limits:** Not applicable

**Vapor pressure:** < 0.1 hPa at 25° C

**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

---

## 10. STABILITY AND REACTIVITY

**Reactivity:** No decomposition if stored and applied as directed

**Chemical stability:** Stable under normal condition

**Possibility of hazard reaction:** Hazardous polymerization does not occur

**Conditions to avoid:** No information available

**Incompatible materials:** Oxidizing agents, strong Bases

**Hazard decomposition products:** In the event of fire: Carbon oxides

---

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

The substance or mixture has no acute oral toxicity

**Carcinogenicity:** Not listed as a carcinogen by IARC, OSHA or NTP.

**Potential Chronic Health Effects:** No known chronic health effects

**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:** Readily biodegradable.

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available.

Other adverse effects: No data available

---

## 13. DISPOSAL CONSIDERATION

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

---

**14. TRANSPORT INFORMATION**

**DOT (US):** Not regulated

---

**15. REGULATORY INFORMATION****US State Right to Know Laws:**

**California Proposition 65:** No Information available.

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

**International regulations:**

**EU Reach:** This substance has been registered according to Regulation (EC) No. 1907/2006 (REACH)

---

**16. OTHER INFORMATION**

**SDS Creation date:** 5/19/2025

**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.