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

DATE PREPARED: 1/28/2026

REVISION: 1

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**1. IDENTIFICATION****Product identifier used on the label:** SPIFE Nexus Fixative (5.0 mL)**Product number:** 2413**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

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**2. HAZARD IDENTIFICATION****GHS Classification in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200)****Acute Toxicity, Oral** Category 2**Skin / Eye Irritation** Category 2**Carcinogenicity** Category 2B**GHS Label elements****Signal word:** Warning:

Hazard Statements:  
May cause skin irritation  
May cause eye irritation  
Harmful if swallowed

**Precautionary statement**

Wash skin thoroughly after handling.  
Handle with standard laboratory precautions.  
Avoid release to the environment.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures:**

Component Name	Chemical Name	CAS #	Concentration
SPIFE Nexus Fixative	Sulfosalicylic Acid	5965-83-3	< 5 %
	Trichloroacetic Acid (TCA)	76-03-9	< 10 %
	Guanidine Hydrochloride	50-01-1	< 3 %

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

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### 4. FIRST AID MEASURES

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

**Skin contact:** Remove contaminated clothing. 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.

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### 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.

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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

Handle with appropriate PPE and store as per specified instructions.

Protect from physical damage.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Chemical Name	AGGIH TLV	OSHA PEL
5-Sulfosalicylic Acid	None listed	None listed
Trichloroacetic Acid	0.5 ppm	1 ppm
Guanidine Hydrochloride	None listed	None listed

### 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### SPIFE Nexus IFE Fixative

**Appearance:** Clear colorless liquid

**Odor:** None

**Odor threshold:** No data available

**pH:** < 2

**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

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**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

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## 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

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## 11. TOXICOLOGICAL INFORMATION

See the following table for individual ingredient acute toxicity data:

Chemical Name	LD 50 (oral, rat)
5-Sulfosalicylic acid	1850 mg/kg
Trichloroacetic acid	3320 mg/kg
Guanidine hydrochloride	773.6 mg/kg

**Potential health effects:**

**Skin:** May cause skin irritation

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**Eye:** May cause eye irritation

**Inhalation:** May be harmful if inhaled

**Ingestion:** May be Harmful if swallowed

**Carcinogenicity:** Trichloroacetic acid is listed as a carcinogen by AGGIH, OSHA, IARC.

**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:** This product has not been tested for ecological effects.

**Persistence and degradability:** No data available

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

**Mobility in soil:** No data available

**Other adverse effects:** No data available

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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):** Regulated as Hazardous Material during transportation

**UN number:** 1760

**UN proper shipping name:** Corrosive liquid, N.O.S. (Trichloroacetic Acid)

**Transport hazard class:** 8

**Packing group:** III

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**15. REGULATORY INFORMATION****US State Right to Know Laws:****California Proposition 65:**

This product can expose you to Trichloroacetic acid which is known to the State of California to cause cancer.

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

**International regulations:**

**EU Reach:** Trichloroacetic acid: Use restricted. REACH (1907/2006) – Annex XVII

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**16. OTHER INFORMATION**

**SDS Creation date:** 1/28/2026

**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.