

SAFETY DATA SHEET

HELENA LABORATORIES
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DATE PREPARED: 2/1/2024
REVISION: 5

1. IDENTIFICATION

Product number: 3337, 3336, 3335

Product identifier used on the label: SPIFE LD – 20, 40, 60 Kit

Other means of identification:

| Component Name | Component Number |
|--------------------------|------------------|
| 552610, SPIFE LD Gel Kit | |
| SPIFE LD Gel | 552609 |
| Citric Acid Destain | 551959 |
| 500610, LD Reagent Kit | |
| LD Reagent | 500777 |
| LD Diluent | 500776 |

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
USE Toll Free 800-231-5663

Emergency phone number:
(409) 842-3714

2. HAZARD IDENTIFICATION

Classification of the chemical:

| Component Name | GHS Classification | Hazard Statement |
|------------------------------|-----------------------|------------------|
| Citric Acid Destain (Powder) | Eye/Skin (Category 2) | Irritant |

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

Label elements:

NOTE: Citric Acid Destain Solution 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 |
|---------------------|---------------|---------|---------------|
| Citric Acid Destain | Citric Acid | 77-92-9 | 100% |

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.

4. FIRST AID MEASURES**Description of first aid measures:****Citric Acid Destain****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.

5. FIREFIGHTING MEASURES**Extinguishing media:** Water spray, dry chemical, carbon dioxide, or alcohol resistant foam.

Special hazards arising from the substance or mixture: Carbon dioxides, nitrogen oxides.

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. Should not be released into the environment.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material and transfer to container for proper disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Wear personal protective equipment; avoid contact with skin and eyes.

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):

| Chemical Name | AGGIH TLV | OSHA PEL |
|---------------|-------------|-------------|
| Citric Acid | None listed | None listed |

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

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

Citric Acid Destain (Powder)

Appearance: White crystalline

Odor: None

Odor threshold: No data available

pH: 1.8 at 50 g/L

Melting point/Freezing point: 153-159°C

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 does not occur

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

Incompatible materials: Oxidizing agents, strong bases

Hazard decomposition products: Hazard decomposition products formed under fire conditions:
Carbon oxides

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Citric Acid Destain (Powder) LD50 oral rat = 5400 mg/kg

NOTE: Citric Acid Destain is not hazardous (<1%) when dissolved following instructions on label.

Potential health effects:

Inhalation: May be harmful if inhaled

Ingestion: May be harmful if swallowed

Skin: May cause skin irritation

Eye: May cause eye irritation

Carcinogenicity: No components are listed as carcinogens 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

Eco-toxicity: No data available

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

Observe all federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (US): Not dangerous goods

UN number:

UN proper shipping name:

Transport hazard class:

Packing group:

15. REGULATORY INFORMATION

US State Right to Know Laws:

California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

SDS Creation date: 5/5/2015

Revision #: 5

Disclaimer

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.