

## SAFETY DATA SHEET

HELENA LABORATORIES  
1530 Lindbergh Dr.  
Beaumont, TX 77707  
USA Toll Free 800-231-5663

DATE PREPARED: 2/2/2024  
REVISION: 4

**1. IDENTIFICATION**

**Product number:** 3405, 3505T

**Product identifier used on the label:** QuickGel SPE Vis Kit

**Other means of identification:**

Component Name	Component Number
QuickGel SPE Gel Kit, 552304	
QuickGel SPE Gel	552305
Acid Blue Stain	551151
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:**

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.

**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:** May be harmful if swallowed

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

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**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.

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

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## 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.

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## 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 instruction.

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## 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.

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## 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

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## 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, Nitrogen oxides

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## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

Citric Acid Destain (Powder) LD 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.

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## 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

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## 13. DISPOSAL CONSIDERATION

Observe all federal, state and local regulations.

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## 14. TRANSPORT INFORMATION

**DOT (US):** Not applicable

**UN number:** Not applicable

**UN proper shipping name:** Not applicable

**Transport hazard class:** Not applicable

**Packing group:** Not applicable

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## 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.

**Other US State "Right to Know" List: The following chemicals are listed by individual States:**

Citric Acid (PA, NJ)

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## 16. OTHER INFORMATION

**SDS Creation date:** 7/11/2014

**Revision #:** 4

### 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.