

## SAFETY DATA SHEET

HELENA LABORATORIES  
1530 Lindbergh Dr. / P.O. Box 752  
Beaumont, TX 77704-0752  
USA Toll Free 800-231-5663

DATE PREPARED: 7/11/2014

REVISION: 1

**1. IDENTIFICATION**

Product number: 3350, 3550, 3550T

Product identifier used on the label: QuickGel Split Beta SPE Kit

Other means of identification:

Component Name	Component Number
QuickGel Split Beta SPE Gel Kit, 552297	
QuickGel Split Beta SPE Gel	552296
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. / P.O. Box 752  
Beaumont, TX 77704-0752  
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
QuickGel Split Beta SPE Gel	Not Classified	Harmful if swallowed
Citric Acid Destain	Eye/Skin (Category 2)	Irritant

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

**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
QuickGel Split Beta SPE Gel	Sodium Barbital	144-02-5	1.3%
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, sulfur.

**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:** Keep containers tightly closed and store in a cool dry place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Chemical Name	AGGIH TLV	OSHA PEL
Sodium Barbital	None listed	None listed
Citric Acid	None listed	None listed

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

**Exposure controls:**

**Respiratory protection:** Use NOISH 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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****QuickGel Split Beta SPE Gel**

**Appearance:** Solid (gel)

**Odor:** None

**Odor threshold:** No data available

**pH:** 8-9

**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:** No data available

**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**

**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

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## 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

### QuickGel Split Beta SPE Gel

The calculated ATE value: LD50 oral = 50000 mg/kg

Chemical Name	LD 50 (oral, rat)
Sodium Barbital	600 mg/kg

**Carcinogenicity:** No components are listed as carcinogens by AGGIH, IARC, OSHA or NTP.

**Skin:** May cause skin irritation

**Eye:** May cause eye irritation

**Ingestion:** Harmful if swallowed

**Other important toxicological hazards:** To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

### Citric Acid Destain

LD Oral rat = 5400 mg/kg

**NOTE:** Solution is not hazardous (< 1%) when dissolved following instructions on label.

**Carcinogenicity:** Not listed as carcinogens by AGGIH, IARC, OSHA or NTP.

**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

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## 12. ECOLOGICAL INFORMATION

**Eco-toxicity:** No data available

**Persistence and degradability:** No data available

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**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 regulated

**UN number:**

**UN proper shipping name:**

**Transport hazard class:**

**Packing group:**

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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 #:** 1

**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.