
SAFETY DATA SHEET

HELENA LABORATORIES
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Beaumont, TX 77704-0752
USA Toll Free 800-231-5663

DATE PREPARED: 7/22/2014
REVISION: 2

1. IDENTIFICATION

Product Number: 3415

Product identifier used on the label: SPIFE Alkaline Hemoglobin Kit

Other means of identification:

Component Name	Component Number
SPIFE Alkaline Hemoglobin Gel	551760
Hemolysate Reagent	551965
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
Citric Acid Destain	Eye/Skin (Category 2)	Irritant

Label elements:

Signal word: Warning

Precautionary statements:

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Inhalation: May be harmful if inhale.

Ingestion: Harmful if swallowed.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS #	Concentration
Hemolysate Reagent	Potassium Cyanide	151-50-8	< 0.1%
Citric Acid Destain	Citric Acid	7792-9	100%

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

4. FIRST AID MEASURES

Description of first aid measures:

Inhalation: Move person into 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, sulfur.

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. 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; avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities: Keep containers tightly closed and store in a cool dry place.

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: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

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

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

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): Regulated as Hazardous Material during transportation.

UN number:

UN proper shipping name:

Transport hazard class:

Packing group:

15. REGULATORY INFORMATION

US State Right to Know Laws:

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

Potassium Cyanide , Citric Acid (PA, NJ)

16. OTHER INFORMATION

SDS Creation date: 1/8/2014

Revision #: 2

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.