
SAFETY DATA SHEET

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

DATE PREPARED: 5/24/2024

REVISION: 1

1. IDENTIFICATION**Product number:** 2332, 2333**Product identifier used on the label:** SPIFE Nexus CK – 20, 40 Kit**Other means of identification:**

Component Name	Component Number
SPIFE Nexus CK Gel Kit 552735	
SPIFE CK Gel	552611
Citric Acid Destain	551959
SPIFE CK REAGENT KIT 552028	
SPIFE CK Reagent	552021
SPIFE CK Diluent	552024
SPIFE CK Activator	552025
SPIFE CK Chromogen	552026

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
SPIFE CK Chromogen	Eye Irritation (Category 2)	Flammable

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:

SPIFE CK Reagent Kit : Signal word: Danger

Precautionary Statements:

May cause skin irritation

Causes serious eye irritation

Harmful if inhaled

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 (Liquid)	Citric Acid	7792-9	<1 %
SPIFE CK Chromogen	N,N-Dimethylformamide	68-12-2	>90 %

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

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.

5. FIREFIGHTING MEASURES

Extinguishing media: Suitable extinguishing media (Water spray, Dry chemical, carbon dioxide, or Alcohol resistant foam) should be used.

Special hazards arising from the substance or mixture: Emit toxic fumes when heated.

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. 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 eye.

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):**

Component Name	AGGIH TLV	OSHA PEL
Dimethylformamide	5 ppm, skin	10 ppm

Exposure controls

Respiratory protection: NIOSH approved if 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

CK Chromogen

Appearance: Yellow to Brown liquid

Odor: Rotten-egg like

Odor Threshold: No data available

pH: No data available

Melting point/Freezing point: No data available

Initial boiling point and range: No data available

Flash point: 58° C / 136.4°F

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: Stable under recommended transport or storage conditions.

Chemical stability: Stable under normal conditions

Possibility of hazard reaction: Hazard reactions will not occur under normal transport or storage conditions.

Conditions to avoid: Heat, Hot surfaces, Flames

Hazard decomposition products: No data available

11. TOXICOLOGICAL INFORMATION

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

Information on likely routes of exposure:

Dimethylformamide LD50 (oral rat) = 3040 mg/kg

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: Dimethylformamide is listed as a carcinogen by AGGIH, IARC, OSHA.

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

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No data available

Bioaccumulative 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):

SPIFE CK – 20, 40 Gel Kit - Not regulated

SPIFE CK Reagent Kit - 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:

California Proposition 65:

CK Chromogen: This product can expose you to Dimethylformamide, which is known to the State of California to cause cancer.

For more information, go to www.p65warnings.ca.gov

International Regulations:

EU REACH: CK Chromogen contains Dimethylformamide EC No 200-679-5, which is on REACH (1907/2006) SVHC candidate list released December 2012.

16. OTHER INFORMATION

SDS Creation date: 5/24/2024

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.