

## SAFETY DATA SHEET

Version 2.0

Revision Date: 2019-06-24

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** HAEM-Lok™ Blood Collection Tube  
**Recommended use:** To collect venous blood

**Manufacturer:** deltaDNA Biosciences, Inc.  
**Supplier's Name:** deltaDNA Biosciences, Inc.

**Address:** 801 Aviation Parkway  
Ottawa, Ontario  
CANADA, K1K 4R3

**Emergency Telephone:** 1-613-265-8257

**MSDS Prepared by:** deltaDNA Biosciences, Inc.  
**Telephone Number:** 1-613-265-8257

### SECTION 2: HAZARDS IDENTIFICATION

#### Hazard description:

On surface contact of proprietary mixture, may cause eye and skin irritation.

On ingestion or aspiration of proprietary mixture, may cause respiratory tract irritation and gastrointestinal irritation.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Description:** Polyethyleneterephthalate (PET) test tubes under vacuum for drawing venous blood with

**Chemical name:** Proprietary mixture of alkali metal salts of chelating agents  
Gel matrix (proprietary)

**CAS No.:** Proprietary chemistry N/A  
Gel N/A

**Quantity of substances:** < 10% w/w proprietary mixture of alkali metal salts of chelating agents  
< 15% Gel matrix

**Exposure limits:** N/A

### SECTION 4: FIRST AID MEASURES

**Skin:** Wash off with soap and copious amounts of water. Consult a physician.

**Eyes:** Flush eyes with water for at least 15 minutes. Consult a physician

**Inhalation:** No appreciable vapour pressure or odor.

**Ingestion:** Rinse mouth with water. Drink copious amounts of water to dilute. Seek medical attention.

### SECTION 5: FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** not appreciably inflammable.

**Protective equipment:** wear waterproof gloves and eye protection.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear suitable protective clothing.

**Environmental precautions:** N/A

**Methods for cleaning up:** Carefully wipe and remove. Flush area with water.

## SECTION 7: HANDLING AND STORAGE

**Handling:**

**Advice for safe handling:** Avoid opening tube under vacuum before collection of blood. If tube is opened, avoid contact of solution contained in tube with skin and eyes.

**Storage:**

**Information about storage:** Suitable for storage with other blood collection tubes at room temperature.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:** N/A

**Personal protective equipment:**

**Respiratory protection:** None required, where adequate ventilation conditions exists. No appreciable vapour pressure.

**Hand protection:** Wear water impermeable gloves.

**Eye protection:** Use standard safety glasses.

**Skin & Body protection:** Wear appropriate protective clothing to prevent skin exposure.

**Hygiene measures:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**General Information**

**Physical State:** Proprietary chemicals in aqueous solution.  
Sticky, relatively inert gel matrix

**Colour:** Solution is colourless  
Gel matrix is semitransparent, pale yellow

**Odor:** no appreciable odor

**PH-value:** near neutral

**Change in condition**

Melting point/Melting range: no data available

Boiling point/Boiling range: not determined

**Flash point:** N/A

**Flammability (solid, gaseous):** N/A

**Danger of explosion:** Product does not present an explosion hazard

**Vapour pressure:** Not determined

**Specific gravity:** Not determined

**Evaporation rate:** Not determined

**Solubility in/Miscibility with water:** Proprietary chemicals are fully miscible with water.  
Gel matrix is insoluble in water

## SECTION 10: STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions

**Possibility of hazardous reaction:** No data available

**Conditions to avoid:** No data available.

**Thermal decomposition/conditions to avoid:** No decomposition if used according to specifications.

**Materials to avoid:** none known

**Dangerous reactions:** No dangerous reactions known

**Hazardous decomposition products:** Oxides of nitrogen, carbon monoxide, carbon dioxide at extreme temperatures.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

**Oral LD50:** Acute toxicity estimated to be >2,000 mg/kg

**Inhalation LC50:** No data available

**Dermal LD50:** No data available

**Eye:** May cause irritation

**Skin:** May cause irritation

**Inhalation:** aspiration expected to cause respiratory tract irritation

**Ingestion:** Causes digestive tract irritation

### Primary irritant effect:

On the skin: Not established

On the eye: Not established

**Sensitization:** Not established

**Carcinogenicity:** Not established

**Reproductive toxicity:** Not established

**Teratogenicity:** Not established

**Mutagenicity:** Not established

**Additional toxicological information:** None identified

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicological effects:** No data is available on the adverse effects of this material on the environment.

**Other information:** N/A

**General notes:** N/A

## SECTION 13: DISPOSAL CONSIDERATION

### Product:

#### Recommendation

Disposal should be done in accordance with all federal, provincial/state and local environmental regulations. This product is not hazardous waste according to local regulations.

### Contaminated Packaging:

#### Recommendation

Disposal should be done in accordance with all federal, provincial/state and local environmental regulations. This material is not hazardous waste according to local regulations.

## SECTION 14: TRANSPORT INFORMATION

**TDG (Canada) regulations:** Not dangerous goods

**DOT (US) regulations:** Not dangerous goods

**Maritime transport IMDG:** Not dangerous goods

**Air transport IATA:** Not dangerous goods

## SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR (Canada).

**Note:** Please note that there may be additional legal provisions to be observed. We recommend that you keep yourself informed about all applicable international, national and local regulations.

#### **SECTION 16: OTHER INFORMATION**

To the best of our knowledge, the information contained herein is accurate. However, neither deltaDNA Biosciences, Inc. nor any of its subcontractors or suppliers assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.