

## MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communications Standard 29 CFR 1910.1200

Product Description: **AssayAssure® Hemolock** Universal Molecular and Microbiology Blood Collection and Transport Systems

US Patent Numbers 6,458,546, 7,569,342 Other Patents Pending

Catalog Numbers: 14715, 14735, 14740, 14745, 14750

### Section I: Manufacturer Information

Name: Sierra Molecular Corporation

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### Section II: Hazards Identification

**Hazard description:** Not classified. Wear protective clothing, sterile gloves, and eye protection whenever working with blood or blood products. Do not ingest. Do not eat, drink, or smoke nearby product.

#### Information pertaining to particular dangers for humans and environment:

Skin and eye irritant (category 2). Wear gloves and protective eyewear during use. Constituents can be hazardous to the aquatic environment.

#### Classification system:

##### NFPA ratings

Health = 2

Fire = 0

Reactivity = 0

##### HMIS ratings

Health =

Fire = 0

Reactivity = 0

### Section III: Composition/Information on Ingredients and Exposure Guidelines

**Chemical Characterization:** Active ingredients (trade secrets) and buffers in low molar concentrations within an aqueous solution. Individual components can be irritants to eyes, skin, mucous membranes, and digestive and respiratory tracts.

**Dangerous Component:** Some ingredients can be harmful if absorbed through skin or eyes, or if inhaled or swallowed.

### Section IV: First Aid Measures

**General:** In all cases of doubt or when symptoms persist, always seek medical attention.

**Eyes:** Wash eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

**Skin:** Remove contaminated clothing. Wash and rinse affected areas thoroughly with soap and water.

**Ingestion:** Do not ingest. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Health Effects:** Symptoms of over-exposure are not established for concentrations found in this solution.

**Notes to Physician:** Treat symptomatically and supportively.

### Section V: Fire and Explosion Data

**Flash Point:** None

**Means of Extinction:** Follow all laboratory fire suppression procedures. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special Fire

**Fighting Procedures:** Wear self-contained breathing apparatus for fire-fighting if necessary.

**Hazardous Combustion Products:** Fire may produce hazardous fumes and decomposition products.

## Section VI: Accidental Release Measures

**Person-related safety precautions:** Wear protective clothing, skin, and eye protection.

**Measures for environmental protection:** Dilute with plenty of water. Prevent contamination of soil, drains and surface water. Do not dispose of down a sink or anywhere that leads to a water source.

**Measures for cleaning/collecting:** Absorb liquid and discard. Take-up spillage with absorbent, inert material and place in a suitable and closable labeled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements.

**Additional information:** None.

## Section VII: Handling and Storage

### Handling:

**Information for safe handling:** Keep receptacles tightly sealed. Follow general lab hygiene routines.

**Information about protection against explosions and fires:** No special measures required.

### Storage:

**Requirements to be met by storerooms, receptacles, and single facility:** Store at room (ambient temperature) between 5 - 37°C.

**Further information about storage conditions:** None.

## Section VIII: Exposure Control and Personal Protection

**Components with Limit Values that Require Monitoring at the Workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**General Protective and Hygienic Measures:** The usual precautionary measures for handling chemicals should be followed.

**Airborne Exposure Limits:** Not applicable.

**Ventilation System:** No special measures required, but a well-ventilated area is recommended.

**Skin Protection:** Wear protective gloves.

**Eye Protection:** Use eye protection.

## Section IX: Physical and Chemical Properties

**Appearance:**

**Form:** Solution

**Color:** clear

**Odor:** mild

**pH-value at 20°C (68°F):** slightly acidic to neutral (6.5 – 7.3)

**Change in Condition:**

**Melting Point:** not available

**Freezing Point Range:** Approximately 0° C (32° F).

**Boiling point/Boiling Range:** Approximately 100° C (212° F).

**Flash Point:** Not applicable.

**Auto-ignition:** Product is not self-igniting.

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

**Density at 20°C (68°F):** not available.

**Solubility in / Miscibility with Water:** Fully soluble and miscible.

## Section X: Stability and Reactivity Information

**Stability:** Stable.

**Incompatibility:** Strong oxidizing agents, metals.

**Hazardous Reaction/Decomposition or by Product:** No decomposition if used according to specifications. Hazardous decomposition products may form under fire. Fire can create hazardous fumes.

**Hazard Polymerization:** Will not occur

## Section XI: Toxicological Information

**Toxicity Data:** No further relevant information available.

**Effects of Overexposure:**

**Acute:** See Section II

**Chronic:** Repeated or prolonged exposure is not known to aggravate medical condition.

**Additional Toxicological Information:** The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## Section XII: Ecological Information

**Ecotoxicity:** There is an acute and long-term hazard to the aquatic environment (flora and fauna). It is a marine pollutant.

**Persistence and Degradability:** No further relevant information available.

**Bioaccumulative Potential:** No further relevant information available.

**Mobility in Soil:** Components potentially mobile in soil. Do not dispose of in soil.

**Additional Ecological Information:** Biodegradable. Do not allow undiluted product or large quantities of it to reach soil, sewage system or water course.

## Section XIII: Disposal Consideration

**Waste Disposal Methods:** Dispose in a safe manner in accordance with all applicable Federal, State and Local regulations. Do not discharge into drains, water courses, or onto the ground. When mixed

with blood, treat as a biohazard and dispose of accordingly. Always contact a permitted waste disposer to assure compliance.

**Empty Containers:** Dispose in accordance with local regulations.

#### Section XIV: Transport Information

**DOT proper Shipping Description:** None

**DOT Hazard Class/Division Label:** None

**Shipping Containers:**

Swabs 50 per Case

Tubes & Cups 100 per Case

50 mL, 100 mL, 230 mL, 1L, 9.5L Screw Cap Bottles

#### Section XV: Regulatory Information

OSHA Hazard Communication Standard: OSHA hazardous chemicals as defined under 29 CFR 1910.1200 are listed in Section II

**Occupational Safety and Health Administration "OSHA" Hazardous Chemical(s):** not listed.

**Toxic Substances Control Act (TSCA):** The intentional ingredients of the product are listed.

**Health and Safety Reporting List:** No products were found.

**Chemical Test Rules:** No products were found.

**Section 12b:** No products were found.

**TSCA Significant New Use Rule:** No products were found.

**CERCLA Hazardous Substances and Corresponding RQs:** No products were found.

**SARA Section 302 Extremely Hazardous Substances:** No products were found.

**Section 311/312 Hazard Categories:** Fire hazard - one ingredient in pure form; Acute - one ingredient in pure form.

**Section 313 Toxic Chemicals:** No products were found.

**Clean Air and Water Act:** No products were found.

#### **Section XVI: Other Information**

For research use only, not for use in diagnostics procedures.

AssayAssure® Contains no mercury or mercury-like compounds.

AssayAssure® Poses no hazardous waste issues associated with mercury

AssayAssure® Does not contain latex or latex by products.

AssayAssure® Hemolock is effective for 1 year (365 days) from the manufacturing date.

*To the best of our knowledge, the information contained herein is accurate. Neither Sierra Molecular Corporation nor any of its distributors 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.*