

SAFETY DATA SHEET

Complies with OSHA Hazard Communications Standard 29 CFR 1910.1200

Product Description: AssayAssure® Envirolock Universal Molecular and Microbiology Collection and Transport Systems
US Patent Numbers 6,458,546, 7,569,342 Other Patents Pending

Section I: Manufacturer Information

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Date revised: February 25, 2016

Section II: Hazards Identification

Hazard description: Classification of the mixture in accordance with 29 CFR 1910 (OSHA HCS)
Flammable liquids (Category 4), H227. In pure form certain components can be combustible.

GHS Label elements for components in pure form, including precautionary statements

Signal word	None
Hazard statement(s)	Some components in pure form are combustible but not in this concentration
Precautionary statements(s)	Keep away from sparks/open flames/ hot surfaces. No smoking.

Classification system:

NFPA ratings

Health = 0
Fire = 0
Reactivity = 0

HMIS ratings

Health = 0
Flammability = 0
Physical Hazard = 0

Hazards not otherwise classified (HNOC) or not covered by GHS

Some components in pure form can be rapidly absorbed through the skin.

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 may, in pure form, be irritants to eyes, skin, mucous membranes, digestive and respiratory tracts, **but no irritation whatsoever will occur at the**

concentrations and quantities found within this solution.

Dangerous Component: Some ingredients, in pure form, may be harmful if absorbed through skin or if inhaled or swallowed, but not at the concentrations and quantities found within this solution.

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. This procedure applies only to concentrations and quantities above those found in this solution.

Skin: Remove contaminated clothing. Wash and rinse affected areas thoroughly with soap and water. This procedure applies to concentrations and quantities above those found in this solution.

Ingestion: 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: Use dry sand, alcohol-resistant foam, dry chemical, carbon dioxide foam.

Special Fire

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

Hazardous Combustion Products: Fire or excessive heat may produce hazardous decomposition products.

Section VI: Accidental Release Measures

Person-related safety precautions: No special measures required.

Measures for environmental protection: Dilute with plenty of water. Prevent contamination of soil, drains and surface water.

Measures for cleaning/collecting: Absorb liquid and discard. Take-up spillage with absorbent, inert material and place in a suitable closed and 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: In pure form, certain components can be combustible, but not at the concentrations and quantities found within this solution. Do not expose to open flame or sparks. No smoking.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

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 if eye contact is likely.

Section IX: Physical and Chemical Properties

Appearance:

Form: Solution

Color: Colorless

Odor: Odorless

pH-value at 20°C (68°F): 7.3

Change in Condition:

Melting point/Melting 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): 1.171 g/cm³

Solubility in / Miscibility with Water: Fully 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.

Hazard Polymerization: Will not occur

Section XI: Toxicological Information

Toxicity Data: No further relevant information available.

Carcinogenicity: Not carcinogenic

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: No further relevant information available.

Persistence and Degradability: OECD Test Guideline 301D – components in pure form not readily degradable.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: Some product components in pure form are partially soluble in water and may move through soil profile or spread to the aquatic environment.

Additional Ecological Information: Biodegradable with time. 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. For smaller quantities, can be disposed of with household waste or dilute and flush to an approved wastewater treatment system. Always contact a permitted waste disposer to assure compliance.

Empty Containers: Clean with water. Disposal in accordance with local regulations.

Section XIV: Transport Information

DOT proper Shipping Description: None, not dangerous goods

DOT Hazard Class/Division Label: None, not dangerous goods

IMDG – Not dangerous goods

IATA – not dangerous goods

Shipping Containers:

Swabs 50 per Case

Tubes & Cups 100 per Case

10mL & 100mL Bottles 50 per Case

1 Liter 20 per Case

230mL 25 per Case

9.5 L 1 per Case

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): one ingredient in pure form.

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 - two ingredients 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.

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.

Revision Date: 2/25/2016

Print Date: 3/01/2016