

COLLECT-INACTIVATE-STABILIZE-PRESERVE

Review Date: 08/21/14
Page 1/2

Section 1- Identification of Product

- **Product details**
- **Trade Name:** PrimeStore Molecular Transport Medium® (MTM)
- **Manufacturer/Supplier:**
Longhorn Vaccines & Diagnostics, 1747 Citadel Plaza, Ste 206, San Antonio, TX 78209, USA
(210) 826-0910, Email: info@lhnvd.com

Section 2- Composition/Information on Ingredients

- **Description:** Substance below mixed with other nonhazardous proprietary additions.
- **Dangerous Component:**

593-84-0	guanidine thiocyanate	CAS 593-84-0	0 – 50%
64-17-5	ethanol (96-99.5%)	CAS 64-17-5	0 – 23%

Section 3- Hazards Identification

- **Hazard description:** Harmful
- **Information pertaining to particular dangers for man and environment:** Harmful by inhalation, in contact with skin and if swallowed. **Contact with strong acids may liberate a toxic gas.**
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0 – 4)**
Health = 2
Fire = 0
Instability = 0
- **HMIS-ratings (scale 0 – 4)**
Health = 2
Fire = 0
Physical Hazard = 0

Section 4- First Aid Measures

- **Inhalation:** Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention immediately.
- **Skin Contact:** Flush with water, and then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.
- **Eyes Contact:** Flush with water for 15 minutes. Seek medical advice.
- **Ingestion:** Wash out mouth with water and seek immediate medical attention. Never give anything by mouth to an unconscious victim.
- **Antidote** Always have a cyanide antidote kit on hand when working with cyanide compounds. Obtain medical advice on proper use of kit.

Section 5- Fire Fighting Measures

- **Suitable extinguishing agents:** CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Wear NIOSH approved self contained breathing apparatus. May emit toxic fumes under fire conditions.

Section 6- Accidental Release Measures

- **Personal safety precautions:** Ensure adequate ventilation. Wear appropriate person protective equipment (PPE) as regulated by your laboratory protocol including lab coat, safety glasses, and gloves.
- **Environment protection measures:** Do not allow to enter sewers/surface or ground water.
- **Cleaning/Collecting methods:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to Section 13.

Section 7- Handling and Storage

- **Handling:** Keep containers tightly sealed. Wear appropriate person protective equipment (PPE) as regulated by your laboratory protocol including lab coat, safety glasses, and gloves.
- **Storage:** Do not store together with acids. Store at ambient temperature for use. For long term storage, keep containers at 4 °C or -20 °C.

Section 8- Exposure Controls and Personal Protection

- **Personal protection:** Wear appropriate person protective equipment (PPE) including lab coat, safety glasses, and gloves.
- **Material of gloves:** The selection of suitable gloves does not depend on the material, but also on further marks of quality and varies by manufacturer. Since the product is a proprietary blend of several substances, the resistance of the glove material cannot be calculated in advance and therefore must be checked prior to application.
- **General protective and hygienic measures:** Keep away from food and beverages. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Section 9- Physical and Chemical Properties

- **General Information**

Form:	Fluid	Melting point/Melting range:	Undetermined
Color:	Colorless	Boiling point/Boiling range:	Undetermined
Odor:	Characteristic	Flash point:	Not applicable
Auto Igniting:	Product is not self igniting	Density (20°C):	No data available
Solubility/Miscibility with water:	Miscible	pH-value at 25°C:	6.9 ± 0.1

Section 10- Stability and Reactivity

- **Thermal decomposition/conditions to avoid:** No decomposition if used according to specifications.
- **Dangerous reactions:** May react with strong acids, alkalis and oxidizing agents.
- **Dangerous products:** Contact with acids or acid vapors may liberate cyanide vapors.

Section 11- Toxicological Information

- **Acute Toxicity:** Primarily Irritant
- **Effect on skin:** Irritant to skin and mucous membranes.
- **Effect on eyes:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No known sensitizing effects. However, repeated or prolonged exposure may cause allergic reactions in sensitive individuals. Inhalation of vapors may aggravate existing chronic respiratory problems such as asthma, emphysema, or bronchitis.

Section 12- Ecological Information

- **General:** Water hazard class 2: Hazardous for water.
Do not allow product to reach ground and surface water or sewage system.

Section 13- Disposal Considerations

- **Recommendation:** Do not dispose of with household garbage. Do not allow product to reach sewage system.
- **Product and packaging:** Dispose of material in accordance with applicable local, state, and federal regulations.

Section 14- Transportation Information

- **US DOT / IATA:** No applicable information available.

Section 15- Regulatory Information

- **RCRA** - No applicable information.
- **SARA 302** - This material does not have an RQ or TPQ.
- **SARA 313** - This material is not reportable under 313.
- **EPA TSCA Section 8(b)** - Chemical inventory.
- **Exposure Limits** - Not established.
- **California Proposition 65** - No applicable information.

Section 16- Other Information

This data sheet is based on information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.

This information is based on present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.