

1 Identification

Product Name: PrimeStore® Molecular Transport Media (MTM)	
Product Number: MOL-MTM-VIAL, MOL-MTM-1L, MOL-MTM-20L	
Manufacturer: Longhorn Vaccines & Diagnostics 1747 Citadel Plaza, Ste 206 San Antonio, TX 78209 USA	Phone Number: (210) 826-0910 Email: info@lhvnd.com Hours of Operation: M-F, 8:00AM – 5:00PM, CST
Supplier: VMRD, Inc 425 NW Albion Dr. Pullman, WA 99163 USA	Emergency Phone Number: (800) 222-8673 Business Phone Number: (509) 334-5815 FAX Number: (509) 332-5356 Hours of Operation: M-F, 7:00AM – 4:00PM, PST
Recommended Use: For nucleic acid storage and stabilization. For <i>in vitro</i> lab use only.	

2 Hazards Identification

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: Based on the latest editions of international substances lists and expanded upon from manufacturer and literature data.

NFPA rating (scale 0-4)

Health = 2
 Fire = 0
 Instability = 0

HMIS rating (scale 0-4)

Health = 2
 Fire = 0
 Physical Hazard = 0



GHS02



GHS07

Signal word: WARNING

Hazard Identification Hazard Statement / Hazard Category	Precautionary Statements
H226 Flammable liquid and vapor/3	P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233: Keep container tightly closed. P241: Use explosion-proof electrical/ventilating/lighting/equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge.

Safety Data Sheet

	<p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P303 + P361 + P353: IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P370 + 378: In case of fire: Use foam, water spray, dry powder, or carbon dioxide for extinction.</p> <p>P403 + P235: Store in a well-ventilated place. Keep cool.</p> <p>P501: Dispose of contents/container in accordance with local/regional/national/international regulations.</p>
H302 Harmful if swallowed/ 4	<p>P264: Wash hands thoroughly after handling.</p> <p>P270: Do not eat, drink or smoke when using this product.</p> <p>P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P330: Rinse mouth.</p> <p>P501: Dispose of contents/container in accordance with local/regional/national/international regulations.</p>
H412 Harmful to aquatic life with long lasting effects/ 3	<p>P273: Avoid release to the environment</p> <p>P501: Dispose of contents/container in accordance with local/regional/national/international regulations.</p>

3 Composition/Information on Ingredients

Hazardous Ingredient:	At Concentration of:
Guanidine thiocyanate (CAS 593-84-0)	0-50%
Ethanol (96-99.5%) (CAS 64-17-5)	0-23%

Hazardous ingredients listed above are mixed with other nonhazardous proprietary additions. Contact with strong acids may liberate a toxic gas.

4 First Aid Measures

Eye Exposure: Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Dermal Exposure: Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.

Inhalation Exposure: Remove affected person to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention immediately.

Antidote: Always have a cyanide antidote kit on hand when working with cyanide compounds. Obtain medical advice on proper use of kit.

5 Fire Extinguishing Measures

Use CO₂, extinguishing powder or water spray to the surrounding fire. Fight larger fires with water spray or alcohol resistant foam. Wear NIOSH approved self-contained breathing apparatus. May emit toxic fumes under fire conditions.

6 Accidental Release Measures

Ensure adequate ventilation. Do not allow to enter sewers/surface or ground water. Using appropriate personal protective equipment, absorb spills of component contents with liquid-binding material (sand diatomite, acid binders, universal binders, sawdust, absorbent paper towels), taking care not to spread the material. Discard all materials used to absorb the spill and disinfect area as biological waste/hazardous waste as applicable. Dispose of waste according to Section 13.

7 Handling and Storage

Handling: Do not eat, drink, smoke, or apply cosmetics in laboratory areas. Do not pipette reagents or samples by mouth. Avoid splashing or aerosol formation. Use all reagents in accordance with the relevant package insert. Keep tubes tightly sealed. Wear appropriate personal protective equipment (PPE) as regulated by your laboratory protocol including lab coat, safety glasses, and gloves.

Storage: Do not store together with acids. Store unused product at 2° to 25°C.

8 Exposure Control / Personal Protection

Wear appropriate personal protective equipment when working with reagents and samples, including lab coats, disposable gloves and eye protection. Avoid hand/mouth/eye contact. Wash hands as soon as possible after handling reagents or samples. Due to proprietary substances, test glove resistance material before use. Keep away from food and beverages.

9 Physical & 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
Vapor Pressure:	Undetermined	Odor threshold:	Undetermined
Vapor Density:	Undetermined	Evaporation rate:	Undetermined
Flammability:	Flammable	Partition coefficient:	Undetermined
Decomposition temperature:	Not applicable	Viscosity:	Undetermined

10 Stability and Reactivity

These reagents are stable under the storage conditions described in the package insert. Hazardous decomposition will not occur when used according to specifications. May react with strong acids, alkalis and oxidizing agents. Contact with acids or acid vapors may liberate cyanide vapors.

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.

12 Ecological Information

General Information

Water hazard class 2: hazardous for water

Do not allow product to reach ground and surface water or sewage system.

13 Disposal Considerations

Dispose of in accordance with applicable federal, state, and local laws. Do not dispose of with household garbage. Do not allow product to reach sewage system.

14 Transport Information

US DOT/ IATA: No applicable information available.

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.

16 Other Information

DISCLAIMER: The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The user should determine the suitability of this information for the intended use of the product and adopt appropriate safety precautions. VMRD, Inc. shall not be held liable for any damage resulting from the handling or from contact with the above product. Disposal of hazardous material may be subject to federal, state, or local

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laws and regulations. VMRD, Inc. grants permission to the customer to make copies of this SDS for internal hazard communication purposes only.

WARRANTY: VMRD, Inc. warrants that this product is as described in the quantity and contents stated on that label at the time of delivery to the customer. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE MADE BEYOND THE LABEL DESCRIPTION, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Remedy is limited to replacement of the product or refund of the purchase price. VMRD, Inc. is not liable for property damage, personal injury, or economic loss caused by the product.

Applicable Risk Phrases: (See Section 2)

N/A