

Material Safety Data Sheet M-MLV Reverse Transcriptase II

1. IDENTIFICATION

M-MLV Reverse Transcriptase II (Catalog # GLS32)

2. COMPOSITION

<u>Reagent</u>	<u>%wt</u>	<u>CAS#</u>
Glycerol	25	56-81-5
Tris (hydroxymethyl) aminomethane Hydrochloride (TRIS-HCl)	< 1	1185-53-1
EDTA disodium salt (anhydrous)	< 0.5	139-33-3
DTT (DL-Dithiothreitol)	60	3483-12-3
HCL (hydrochloric acid; muriatic acid)	< 2	7647-01-1

3. HAZARDS IDENTIFICATION

No adverse health effects should occur from routine, occupational use of this material in the manner specified by the manufacturer's instructions.

Inhalation: Inhalation of vapors or mists of components of this product may cause irritation.

Contact with skin or eyes: If components of this product contaminate either the skin or eyes, irritation may occur. This irritation should be alleviated by flushing the skin or eyes with copious amounts of water.

Ingestion: Harmful if swallowed. Seek medical attention immediately.

4. FIRST-AID PROCEDURES

General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 after the accident.

After inhalation: Move to fresh air. In case of unconsciousness, place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Immediately call a doctor. Do not induce vomiting without medical advice.

5. FIRE FIGHTING PROCEDURES

Extinguishing Media: Water, Dry chemical, CO₂, Halon, or Foam.

6. ACCIDENTAL RELEASE MEASURES

Contain spill and then clean up with paper towels and copious amounts of water. Assure adequate ventilation. Avoid contact with skin and clothing. Prevent product from entering drains.

7. EXPOSURE CONTROL (PERSONAL PROTECTIVE EQUIPMENT)

Use with adequate ventilation.

Inhalation: None recommended. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134.

Eye Contact: Wear goggles or safety glasses.

Skin contact: Wear impermeable gloves and appropriate lab apparel.

8. HANDLING AND STORAGE

Store at -70°C. Avoid several freeze-thaw cycles.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless solution.

Melting or freezing point: <0°C/32°F (water)

Boiling point: >100°C/212°F (water)

Solubility in water: Dilutable

10. STABILITY AND REACTIVITY INFORMATION

Storage stability: Stable under recommended storage conditions.

Materials to avoid: Bases, Oxidizing agents, Reducing agents, Alkali metals.

Hazardous decomposition products: Oxides of carbon and nitrogen, hydrogen chloride gas.

Hazardous decomposition products formed under fire conditions: Carbon oxides, Sulfur oxides, Hydrogen sulfide gas, acrolein.

11. TOXICOLOGICAL INFORMATION

Sings and Symptoms of Exposure: Nausea, headache, vomiting, central nervous system depression. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: Toxic if swallowed.

Target Organs: Central nervous system.

12. ECOLOGICAL INFORMATION

No unusual effects on plants or animals are expected if this product is released into the environment.

13. DISPOSAL GUIDELINES

Observe all Federal, State and Local laws concerning health and pollution.

14. TRANSPORT INFORMATION

This material is not hazardous as defined by 49 CFR 172.101 by the U.S. Department of Transportation.

15. REGULATORY INFORMATION AND CONSIDERATIONS

N/A

16. OTHER

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Gen-Probe Prodesse, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes.