



# Material Safety Data Sheet

## Conjugate 1, 160 µL

Page 1 of 2

### Section I – General Information

<b>Identity</b>	CONJUGATE 1, 160 µL (Component of Cambridge Biotech HIV -1 Western Blot (Cat. No. 98002) and Cambridge Biotech HIV -1 Urine Western Blot (Cat. No. 98078))
<b>Item Code Number</b>	Component 7
<b>Chemical Name and Synonyms</b>	Glycerol solution with biotinylated protein and preservative
<b>Formula</b>	NA
<b>Chemical Family</b>	Glycerol solution
<b>DOT Hazard Classification</b>	NA
<b>Proper DOT Shipping Name</b>	NA
<b>Manufacturer's Name</b>	Calypte Biomedical Corporation
<b>Manufacturer's Address</b>	1265 Harbor Bay Parkway, Alameda, CA 94502 USA
<b>Telephone Number for Information</b>	Within the US (877) 225-9783 – Outside the US (510) 749-5100
<b>Emergency Telephone Number</b>	(800) 424-9300 (CHEMTREC)
<b>Date Prepared</b>	April, 2003

### Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
Glycerol	NA	NA	NA	50.0%
Goat serum	NA	NA	NA	10.0%
Goat antibody to Human IgG (H & L)	NA	NA	NA	0.5 mg/mL
Thimerosal	NA	Thimerosal: 0.1 mg/m <sup>3</sup> (as Hg), 8-hr TWA skin	NA	0.002%

### Section III - Physical/Chemical Characteristics

<b>Boiling Point</b>	Not determined	<b>Vapor Pressure (mm Hg.)</b>	NA	<b>Vapor Density (AIR = 1)</b>	NA
<b>Solubility in Water</b>	Soluble	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	Not determined	<b>Melting Point</b>	NA
<b>Evaporation Rate (Butyl Acetate = 1)</b>	NA	<b>Percent volatile by volume (%)</b>	NA	<b>pH</b>	NA
<b>Appearance and Odor</b>	Transparent liquid				

### Section IV - Fire and Explosion Hazard Data

<b>Flash Point (Method Used)</b>	NA	<b>Auto Ignition Temperature</b>	NA
<b>Flammable Limits</b>	NA	<b>LEL</b>	NA
<b>Extinguishing Media</b>	General precautions as appropriate for surrounding fire.	<b>Special Fire Fighting Procedures</b>	Wear respirator due to potential release of toxic vapors.
<b>Unusual Fire and Explosion Hazards</b>	None known		

### Section V - Reactivity Data

NOTE: No specific reactivity data is available for the "substance of concern". Information provided in this section is for one component of the substance, thimerosal.

<b>Stability</b>	Stable	<b>Conditions to Avoid</b>	Keep away from strong oxidizers, acids and bases
<b>Incompatibility (Materials to Avoid)</b>	Keep away from strong oxidizers, acids and bases	<b>Hazardous Polymerization</b>	Will not occur under normal conditions
<b>Hazardous Decomposition Products</b>	Thimerosal decomposition products include carbon oxides, sulfur oxides, mercury and mercury oxides.		



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## Conjugate 1, 160 µL

Page 2 of 2

### Section VI - Health Hazard Data

NOTE: No information is available on the specific health hazards of "substance of interest". Information is available on one components of the substance, thimerosal.

<b>Primary Routes of Entry:</b>	Inhalation, ingestion, contact and/or injection	<b>Carcinogen-NTP Program</b>	NA
<b>OSHA Permissible Exposure Limit</b>	NA	<b>ACGIH Threshold Limit Value</b>	Thimerosal: 0.1 mg/m <sup>3</sup> (as Hg), 8-hr TWA skin
<b>Carcinogen-IARC Program</b>	NA	<b>Symptoms of Exposure</b>	Thimerosal: Many mercury compounds have been shown to cause central nervous system, kidney, and reproductive toxicity. Mercury compounds are known to the State of California to cause reproductive effects. Causes skin burns. May cause allergic skin reaction.
<b>Medical Conditions Aggravated by Exposure</b>	NA.	<b>Emergency First Aid</b>	If splashed or skin or eyes contacted, flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention if symptoms are present after washing. If swallowed, induce vomiting immediately and seek medical attention. If inhaled, remove to fresh air. Treat symptomatically. If symptoms are present, get medical attention.

### Section VII - Precautions for Safe Handling and Use

<b>Spill Response</b>	Contain spill with absorbent material. Use standard lab cleanup. Wipe spills promptly with 1% sodium hypochlorite solution (1:5 dilution of liquid household bleach). Do not put solutions containing bleach in autoclaves.	<b>Waste Disposal Method</b>	Dispose in accordance with existing procedures employed for infectious waste at your facility. Thimerosal contains mercury. This product contains sodium azide as a preservative. Dispose according to local, state and federal regulations.
<b>Handling and Storage Precautions</b>	Wear gloves and lab coat. Keep refrigerated at 2°-8°C.		

### Section VIII - Control Measures

<b>Respiratory Protection</b>	None required	<b>Eye Protection</b>	Chemical splash goggles
<b>Skin Protection</b>	Wear gloves	<b>Ventilation Recommended</b>	No special requirements
<b>Other Protection</b>	Wear lab coat	<b>Other Precautions</b>	Decontaminate affected equipment with 1% sodium hypochlorite solution. Clean rinse with water.

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