



Material Safety Data Sheet

Conjugate 2, 160 µL

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Section I – General Information

Identity	CONJUGATE 2, 160 µL (Component of Cambridge Biotech HIV -1 Western Blot (Cat. No. 98002) and Cambridge Biotech HIV -1 Urine Western Blot (Cat. No. 98078))
Item Code Number	Component 8
Chemical Name and Synonyms	Buffered protein with preservative
Formula	NA
Chemical Family	Buffered protein
DOT Hazard Classification	NA
Proper DOT Shipping Name	NA
Manufacturer's Name	Calypte Biomedical Corporation
Manufacturer's Address	1265 Harbor Bay Parkway, Alameda, CA 94502 USA
Telephone Number for Information	Within the US (877) 225-9783 – Outside the US (510) 749-5100
Emergency Telephone Number	(800) 424-9300 (CHEMTREC)
Date Prepared	April, 2003

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
Bovine serum albumin	NA	NA	NA	15.0 mg/mL
Avidin horseradish peroxidase	NA	NA	NA	5 mg/mL
Sodium chloride	NA	NA	NA	0.25 M
Sodium phosphate	NA	NA	NA	0.01 M
Thimerosal	NA	Thimerosal: 0.1 mg/m ³ (as Hg), 8-hr TWA skin	NA	0.01%

Section III - Physical/Chemical Characteristics

Boiling Point	NA	Vapor Pressure (mm Hg.)	NA	Vapor Density (AIR = 1)	NA
Solubility in Water	Soluble	Specific Gravity (H₂O = 1)	Approx. 1.0	Melting Point	NA
Evaporation Rate (Butyl Acetate = 1)	NA	Percent volatile by volume (%)	NA	pH	NA
Appearance and Odor	Transparent, straw-colored liquid				

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	NA	Auto Ignition Temperature	NA
Flammable Limits	NA	LEL	NA
Extinguishing Media	General precautions as appropriate for surrounding fire.	Special Fire Fighting Procedures	Wear respirator due to potential release of toxic vapors.
Unusual Fire and Explosion Hazards	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.			
Stability	Stable	Conditions to Avoid	Keep away from strong oxidizers, acids and bases
Incompatibility (Materials to Avoid)	Keep away from strong oxidizers, acids and bases	Hazardous Polymerization	Will not occur under normal conditions
Hazardous Decomposition Products	Thimerosal decomposition products include carbon oxides, sulfur oxides, mercury and mercury oxides.		



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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.

Primary Routes of Entry:	Inhalation, ingestion, contact and/or injection	Carcinogen-NTP Program	NA
OSHA Permissible Exposure Limit	NA	ACGIH Threshold Limit Value	Thimerosal: 0.1 mg/m ³ (as Hg), 8-hr TWA skin
Carcinogen-IARC Program	NA	Symptoms of Exposure	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.
Medical Conditions Aggravated by Exposure	NA.	Emergency First Aid	If splashed on 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

Spill Response	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.	Waste Disposal Method	Dispose in accordance with existing procedures employed for infectious waste at your facility. Thimerosal contains mercury. Dispose according to local, state and federal regulations.
Handling and Storage Precautions	Wear gloves and lab coat. Keep refrigerated at 2°-8°C.		

Section VIII - Control Measures

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

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