

# MATERIAL SAFETY DATA SHEET

(Effective date: March 1, 1998)

## SECTION I.

### MANUFACTURER AND PRODUCT

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Manufactured for Conception Technologies by:

Advanced Reproductive Technologies, Inc.  
San Clemente, CA 92673

#### Product:

**Name:** Phosphate Buffered Saline  
With calcium, magnesium, glucose, pyruvate and phenol red  
**Cat. No:** PBS-W

Description: An aqueous, isotonic mixture of simple organic and inorganic salts and simple carbohydrates at neutral pH intended for *in-vitro* procedures with mammalian gametes and embryos.

## SECTION II.

### PHYSICAL DATA

Boiling Point: n/av	Specific Gravity: 1.0
Melting Point: n/av	Vapor Density: n/av
Vapor Pressure: n/av	Evaporation Rate: n/av
Appearance: Pink color, clear liquid	Solubility: n/a

## SECTION III.

### HAZARDOUS INGREDIENTS

Contains no known hazardous ingredients at the concentrations used for manufacture.

## SECTION IV.

### FIRE AND EXPLOSION HAZARD DATA

Fire Hazard: Non-flammable  
Extinguishing Media: Water, CO<sub>2</sub> or other media suitable for extinguishing fire  
Special Fire Fighting Procedures: None  
Unusual fire and Explosion Hazards: None

## SECTION V.

### HEALTH HAZARD DATA

Toxicity data: LD<sub>50</sub> not established for this product.  
Effects of Overexposure: Not established for this product  
Emergency and First Aid Procedures: In case of eye contact, flush with copious quantities of water. In case of serious hypersensitivity reaction, rush for immediate medical attention. If swallowed, wash out mouth with water provided the person is conscious. Call a physician.

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Phosphate Buffered Saline

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**SECTION VI. REACTIVITY DATA**

Stability: Stable  
Conditions to avoid: Do not expose product to elevated temperatures (above 40°C) for extended periods. Store product at 2°C- 8°C when not in use.  
Incompatibility: n/a  
Hazardous Decomposition Products: n/a  
Hazardous Polymerization: Will not occur

**SECTION VII. SPILL OR LEAK PROCEDURES**

Spills: Use absorbent material to mop up spill. Wash area with water.  
Waste Disposal: Dispose of in an approved land fill or incinerate providing local environmental regulations permit.

**SECTION VIII. SPECIAL PROTECTION INFORMATION**

Respiratory Protection: NIOSH/MSHA approved mechanical dust/mist cartridge respirator.  
Ventilation: Local exhaust adequate; mechanical recommended  
Protective Gloves: Rubber gloves  
Eye Protection: Chemical safety goggles  
Other Protective Equipment: Overalls, etc.

**SECTION IX. SPECIAL PRECAUTIONS**

Precautions to be taken in handling and storing: Avoid any unnecessary contact with skin, eyes or mucus membranes. Do not mouth pipette. Store in cold room (2°C- 8°C).

**SECTION X. DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with existing disposal practices employed at your institution. Observe all federal, state and local environmental regulations.

**SECTION XI. DISCLAIMER**

The above information is believed to be correct and reported in good faith. The information shall not be taken as being all inclusive and is to be used only as a guide with caution. Neither Conception Technologies nor Advanced Reproductive Technologies, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.