

# MATERIAL SAFETY DATA SHEET

## Section 1. Identification

Manufacturer: Viagen Biotech Inc.  
Address: 3530 Wilshire Bl. Suite 695  
Los Angeles, CA 90010

Emergency Phone Numbers: 213-382-3088

Effective Date: 06-11-03  
Revised Date: NA

Trade Name: DirectPCR  
Chemical Type: Water Base  
Chemical Formular: Proprietary

## Section 2. Hazardous Ingredients / Identity Information

Components: Non-toxic / biodegradable

## Section 3. Physical Data

Boiling Point: NA  
Specific Gravity: (water = 1) 1.050  
Vapor Pressure: (mm Hg.) NA  
Melting Point: NA  
Vapor Density (AIR-1) NA  
Evaporation Rate (water = 1) 0.97  
Solubility in Water Complete  
Appearance and Odor Clear / Mild Detergent Odor

## Section 4. Fire and Explosion Hazard

Flash Point (Method Used) NA  
Flammable Limits LEL...NA UEL...NA  
Extinguishing Media: None  
Specific Fire Fighting Procedure None  
Unusual Fire and Explosion Hazards None

## Section 5. Reactivity Data

Stability: 1 year  
Conditions to Avoid: High Heat  
Incompatibility (materials to avoid): Acids  
Hazardous Decomposition or Byproducts: None  
Hazardous Polymerization: None

### **Section 6. Health Hazard Data**

Routes of Exposure: Skin (May cause slight irritation with prolonged contact)  
Eye (Causes irritation with prolonged contact)  
Indigestion (May cause slight irritation to membranes)  
Inhalation (May cause slight irritation to membranes)

Health Hazards (Acute and Chronic) Unknown

Effects of Overexposure: May cause irritation to skin and mucous membrane

Emergency and First Aid Procedure: Flush external areas with water.  
Drink large quantities of water.

### **Section 7. Spill and Leak Procedure**

Steps to be taken in case of spill or leak: Contain spill area.  
Mop or vacuum into a proper container.

Waste Disposal Method: According to local, state, and federal waste disposal laws.

Precautions to be taken in handling: Keep from freezing.  
Wear gloves.

Other precautions: None

### **Section 8. Control Measures**

Respiratory Protection: None, under normal condition  
Ventilation: None, under normal condition  
Protective Gloves: To prevent prolonged skin contact  
Eye Protection: YES  
Other Protective Clothing: Lab coat

NOTICE:

The information herein is presented in good faith and believes to be accurate as the effective data shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one to another. It is the buyer's responsibility to ensure its activities comply with federal, state, and local laws.