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# MATERIAL SAFETY DATA SHEET

## Hot Start Taq Master Mix

### Product

Product Name : Hot Start Taq DNA Polymerase  
Product Number :  
42-197, 42-198

### Hazard Ingredients/Identity Information

OSHA PEL: N/A  
ACGIH TLV: N/A  
Other Limits Recommended: N/A  
CAS #. 56-81-5 Glycerol

### Physical/Chemical Characteristics

Boiling Point : N/A  
Melting Point : N/A  
Specific Gravity(H<sub>2</sub>O=1) : N/A  
Vapor Pressure (mmHg) : N/A  
Vapor Density (Air=1) : N/A  
Vapor Pressure : N/A  
Evaporation Rate (H<sub>2</sub>O=1) : N/A  
Solubility in Water : Soluble in water  
Appearance and Odour : Liquid, clear

### Handling and Storage

Storage : Store at -20°C  
Special requirements : None

### Transport Information

RID/ADR : Non-hazardous for road transport  
IMDG : Non-hazardous for sea transport  
IATA : Non-hazardous for air transport

### Fire and Explosion Hazard Data

Flashpoint N/A  
Extinguishing Media Water Spray, Carbon dioxide, Dry chemical powder  
or appropriate Foam  
Special Fire Fighting Procedures Self-contained breathing apparatus and protective  
clothing to prevent contact with skin and eyes  
Unusual Fire and explosion Hazards Emits toxic fumes under fire conditions

### Health Hazard Data

Acute Effects:

May be harmful if swallowed, inhaled or absorbed through skin.  
Vapor or mist is irritating to the eyes, mucous membranes and upper respiratory tract.  
Causes skin irritation  
Avoid contact with solutions containing toxic materials or materials with unknown toxicological properties.

Chronic Effects: Target Organs: Eyes, Skin.

First Aid

Eyes: In case of contact, immediately flush with copious amounts of water for at least 15 min

Skin: In case of contact, immediately flush with soaps and copious amounts of water for at least 15min, while removing contaminated clothing and shoes

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Wash out mouth with water provided person is conscious.

## Reactivity Data

Stability:

Stable under normal handling and storage conditions

Hazardous Decomposition or Byproducts:

None that are known.

Hazardous Polymerization:

None that are known.

## Precautions for Safe Handling and Use

Steps to be taken in case Material is Released or Spilled	<ul style="list-style-type: none"><li>• Evacuate area</li><li>• Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves</li><li>• absorb on sand or vermiculite and place in closed containers until proper disposal is possible</li><li>• Ventilate the area and wash spill site after material pickup is complete.</li></ul>
Waste Disposal Method	Dispose in a suitable container according to all federal and state laws.
Precautions to Be Taken in Handling and Storing	Wear appropriate protective clothing and gloves. Store product according to recommend storage conditions.
Other precautions	N/A

*Status: Accepted*

*Reviewed By: Brady Chung*

*Review Date: 7/23/2009*

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### **DISCLAIMER:**

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