

## MATERIAL SAFETY DATA SHEET

Revision date: March, 2011

Version: 9

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Associates of Cape Cod, Inc.**  
124 Bernard E Saint Jean Drive  
East Falmouth, Massachusetts  
888-395-2221 or 508-540-3444

**Emergency telephone number:** Chemtrec® (24 Hours) 800-424-9300 (Domestic North America)  
For Chemical Emergency, Spill, 703-527-3887 (International),  
Leak, Fire, Exposure or Accident Collect calls accepted.

**Material Name:** Pyrosol® LAL Reconstitution Buffer with pH Indicator  
**Trade Name:** Tris Hydroxymethylaminomethane HCl  
**Synonyms:** Tris. Buffer with indicator  
**Chemical Family:** Buffer  
**Intended Use:** Laboratory reagent

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous

Ingredient	CAS Number	EU EINECS List	Concentration
Hydrochloric Acid	7647-01-0		
Tris(hydroxymethyl)aminomethane	77-86-1		
Phenol Red Indicator	143-74-8		Proprietary

Ingredient	CAS Number	EU EINECS List	Concentration
Water	7732-18-5		

### 3. HAZARDS IDENTIFICATION

**Appearance:** Red solution

#### Statement of Hazard:

**Eye Contact:** Mildly corrosive. May causes irritation, redness, pain and tearing.  
**Skin Contact:** Mildly corrosive. May causes irritation.  
**Inhalation:** Not likely to be hazardous by inhalation.  
**Ingestion:** May cause nausea, vomiting and diarrhea.

#### Potential Health Effects:

**Additional Information:** Phenol red – laboratory experiments have resulted in mutagenic effects.  
May cause kidney damage.

### 4. FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes. Get medical attention.

**Skin Contact:** Remove contaminated clothing. Flush area with large amounts of water. Use soap.  
Seek medical attention.

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**Ingestion:** Wash mouth out with water. Dilute with water or milk. Get medical attention. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use carbon dioxide, dry chemical, or water spray

**Hazardous Combustion Products:** May emit toxic fumes under fire conditions.

**Fire Fighting Procedures:** Wear approved positive pressure, self-contained breathing apparatus and full protection turn out gear. Use caution in approaching fire.

**Fire / Explosion Hazards:** None

## 6. ACCIDENTAL RELEASE MEASURES

**Health and Safety Precautions:** Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

**Measures for Cleaning / Collecting:** Absorb spill with sand or vermiculite and transfer into a labeled container for disposal. Clean spill area thoroughly.

**Measures for Environmental Protection:** Place waste in an appropriate labeled container for disposal.

**Additional Consideration for Large Spills:** Absorb spill with sand or vermiculite and transfer all waste to a labeled container and move it to a waste holding area.

## 7. HANDLING AND STORAGE

**General Handling:** Avoid contact with eyes, skin and clothing.

**Storage Conditions:** Keep container tightly closed before use.

**Storage Temperature:** Store as directed by product insert for use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**OEL/PEL:** Unknown

**Engineering Controls:** General laboratory ventilation

### Personal Protective Equipment:

**Hands:** Wear impervious gloves if skin contact is possible.

**Eye:** Wear safety glasses if eye contact is possible.

**Skin:** Not required for normal use of this product.

**Respiratory protection:** Not required for normal use of this product.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Color:</b>	Red with indicator present.
<b>Molecular Formula:</b>	N/A	<b>Molecular Weight:</b>	N/A
<b>pH:</b>	7-9		

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Copper, brass, aluminum, and oxidizing agents
<b>Incompatible Material:</b>	No data available
<b>Hazardous Decomposition Products:</b>	May produce oxides of carbon and nitrogen
<b>Polymerization:</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

No data available

## 12. ECOLOGICAL INFORMATION

**Environmental Overview:** No data available

**Bioaccumulation and Toxicity:** No data available

## 13. DISPOSAL CONSIDERATIONS

**Disposal Procedures:** Observe all local and national regulations when disposing of this material.

## 14. TRANSPORT INFORMATION

Not regulated

## 15. REGULATION INFORMATION

### OSHA Label:

Hazardous material

- Mildly corrosive
- May cause irritation to skin and eyes

## 16. OTHER INFORMATION

**Prepared by:** Associates of Cape Cod, Inc.

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**End of Safety Data Sheet**