

## MATERIAL SAFETY DATA SHEET

Revision date: May, 2009

Version: 8

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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, Leak, 703-527-3887 (International),  
Fire, Exposure or Accident Collect calls accepted.

**Material Name:** Pyrosol® LAL Reconstitution Buffer  
**Trade Name:** Tris Hydroxymethylaminomethane HCl  
**Synonyms:** Tris. HCl Buffer  
**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		

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

### 3. HAZARDS IDENTIFICATION

**Appearance:** Clear colorless 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:** Target organ – eyes, skin

### 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.

**Ingestion:** Wash mouth out with water. Dilute with water or milk. Get medical attention. Do not

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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>	Colorless
<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

<b>Environmental Overview:</b>	No data available
<b>Bioaccumulation and Toxicity:</b>	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**