



# Alkali Scientific

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## Safety Data Sheet

Date Updated: 09/20/14

Chemtrec Emergency Phone Number:  
(800) 424-9300

### Section 1 – Product Information:

**Product Name:** CellPro™ Tris Buffer-HCL, 1M, pH 8.0  
**Catalog Number:** PB0295 / DB0340 / DB0340-CS

### Section 2 – Hazards Identification

#### Emergency Overview:

Caution! The toxicological properties of this material have not been fully investigated. May cause respiratory tract irritation. May cause eye irritation. May cause skin irritation. May be harmful if swallowed.

#### HMIS RATING: (Scale 0-4)

Health: 1                      Flammability: 0                      Reactivity: 0

#### NFPA RATING: (Scale 0-4)

Health: 1                      Flammability: 0                      Reactivity: 0

### Section 3 – Composition/ Information on Ingredients:

#### Hazardous/Non-hazardous Components:

Ingredients	%	CAS #	EINECS#
Tris (hydroxymethyl) aminomethane	12.14	77-86-1	201-064-4
Water	>50	7732-18-5	231-791-2

### Section 4 – First Aid Measures:

#### Ingestion Exposure:

DO NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Consult a doctor.

#### Inhalation Exposure:

Move to fresh air. Consult a doctor in case of symptoms.

#### Eye Exposure:

Rinse thoroughly with plenty of water for at least 15 minutes.

**Skin Exposure:**

Wash off immediately with plenty of soap and water.

**Section 5 – Fire Fighting Measures:**

**Extinguishing Media:**

Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

**Special Firefighting Procedures:**

Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Section 6 – Accidental Release Measures:**

**Personal Precautions:**

Use proper personal protective equipment.

**Environmental Precautions:**

Dilute with plenty of water. Do not allow undiluted product to enter surface and ground water or sewer system.

**Method for Cleaning Up:**

Absorb with liquid-binding material (sand, vermiculite, acid binders, universal binders, sawdust). Place in proper container.

**Section 7 – Handling and Storage:**

**Handling:**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:**

Store in a tightly sealed and properly labeled container. Store in a cool, dry, well-ventilated area.

**Section 8 – Exposure Controls/Personal Protective Equipment (PPE):**

**Engineering Controls:**

Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Personal Protective Equipment:**

Wear suitable respiratory equipment that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements. Wear protective gloves, chemical safety glasses or goggles with side-shields and appropriate protective clothing to prevent skin exposure.

**General Hygiene:**

Handle in accordance with good industrial hygiene and safety practice.

**Section 9 – Physical/Chemical Properties:**

**Appearance:**

Clear colorless liquid.

**pH:**

8.0 +/- 0.1 @ 20 – 25C.

**Water Solubility:**

Soluble

**Section 10 – Stability and Reactivity:**

**Stability:**

Stable at room temperature in closed containers under normal storage and handling conditions. Decarboxylates above 150C.

**Materials to Avoid:**

No information available

**Hazardous Decomposition Products:**

Carbon monoxide, carbon dioxide, nitrogen oxides and ammonia (NH<sub>3</sub>).

**Hazardous Polymerization:**

Will not occur.

**Section 11 – Toxicological Information:**

**RTECS**

Tris (hydroxymethyl) aminomethane: Oral, rat: LD50 + 5900mg/kg

Water: Oral, rat: LD50 = 90mg/kg

None of the ingredients in this product are listed as a carcinogen by ACGIH, IARC, NTP or CA Proposition 65.

**Section 12 – Ecological Information:**

Information unavailable.

**Section 13 – Disposal Considerations:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Section 14 – Transport Information:**

**DOT** Not regulated as a hazardous material.

**IATA** Not regulated as a hazardous material.

**Section 15 – Regulatory Information:**

**TSCA:** Listed.

**U.S. STATE REGULATIONS:**

**California Proposition 65**

**CANADA REGULATIONS:**

Each ingredient is listed on Canada's DSL list. Each ingredient is not listed on Canada's Ingredient Disclosure List. WHMIS classification: Information unavailable.

**Section 16 – Other Information:**

This information is believed to be accurate and represents the best information available to date. Nevertheless, Alkali Scientific does not purport that it is all-inclusive, and it must only be used as a guide. Alkali Scientific makes no warranty nor assumes liability for its usage. Users should make their own investigations to determine the suitability of the product for specific applications.