

Cynmar Corporation  
21709 State Route 4 North, Carlinville, IL 62626 (800) 223-3517  
Emergency Telephone No.: 800-535-5053

### **Section 1 – Chemical Product and Company Identification**

Catalog Numbers: CYMBU5010-A, CYMBU5010-B, CYMBU5010-C, CYMBU5010-D, CYMBU5010-P, CYMBU5010-Q, CYMBU5010-G, CYMBU5010-T  
Product Identity: Buffer Soln. pH 10.00

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331  
Emergency Contact Number (24hr): InfoTrac (800) 535-5053

### **Section 2 – Composition, Information on Ingredients**

Sodium Bicarbonate, CAS# 144-55-8, 0.5% w/v, ACGIH TLV: NA, OSHA PEL: NA  
Sodium Carbonate, CAS# 497-19-8, 0.5% w/v, ACGIH TLV: NA, OSHA PEL: NA  
Water, purified, CAS# 7732-18-5, 99% w/v, ACGIH TLV: NA, OSHA PEL: NA

### **Section 3 – Hazard Identification**

**Emergency Overview:** Non-flammable, non-corrosive, non-toxic. Does not present significant health hazards. Wash areas of contact with water.

**Target Organs:** Eyes, skin.

Potential Health Effects

**Eyes:** May cause slight irritation.

**Skin:** May cause slight irritation.

**Ingestion:** May cause, nausea, diarrhea, vomiting, and cramps.

**Inhalation:** Not likely to be a hazard

**Chronic Effect / Carcinogenicity:** None (IARC, NTP, OSHA)

### **Section 4 – First Aid**

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

**Skin:** Flush with water for 15 minutes. Get medical assistance if irritation develops.

**Ingestion:** Dilute with water or milk. Get medical assistance.

**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

### **Section 5 – Fire Fighting Measures**

**Flash Point:** NA

**Extinguishing Media:** Use means suitable to extinguishing surrounding fire.

**Fire & Explosion Hazards:** Not considered to be a fire or explosion hazard.

**Fire Fighting Instructions / Equipment:** Use normal procedures. Poisonous gases may be produced in fire. Use protective clothing. Use NIOSH-approved breathing equipment.

**NFPA Rating:** (estimated) Health: 1; Flammable: 0; Reactivity: 0

### **Section 6 – Accidental Release Measures**

Absorb with suitable material. Always obey local regulations.

### **Section 7 – Handling and Storage**

**Handling:** Wash hands after handling. Avoid contact with skin and eyes.

**Storage:** Protect from freezing and physical damage.

### **Section 8 – Exposure Controls, Personal Protection**

**Engineering Controls:** Normal ventilation is adequate.

**Respiratory Controls:** Normal ventilation is adequate.

**Skin Protection:** Chemical resistant gloves.

**Eye Protection:** Safety Glasses or goggles.

### **Section 9 – Physical and Chemical Properties**

**Appearance:** Clear, blue liquid

**pH:** 10.00

**Boiling Point:** Approx 100C

**Melting Point:** Approx 0 C

**Odor:** Odorless

**Solubility in Water:** Infinite

**Specific Gravity:** Approx 1

**Vapor Pressure:** NA

### **Section 10 – Stability and Reactivity**

**Chemical Stability:** Stable under normal conditions of use and storage.

**Incompatibility:** Acids.

**Hazardous Decomposition Products:** Oxides of Sodium

**Hazardous Polymerization:** Does not occur

### **Section 11 – Toxicological Information**

LD50 orl-rat: 4090 mg/kg (Sodium Carbonate), 4220 mg/kg (Sodium Bicarbonate)

LC50 inhalation-rat: NA

### **Section 12 – Ecological Information**

**Ecotoxicity:** NA

### **Section 13 – Disposal Considerations**

Dilute with water.

**All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste.**

**Comply with all local, state, and federal regulations.**

### **Section 14 – Transport Information**

**DOT - Not Regulated**

### **Section 15 – Regulatory Information (not meant to be all inclusive)**

**OSHA Status:** These chemicals are not considered hazardous by OSHA.

**TSCA:** The components of this solution are listed on the TSCA Inventory

**SARA Title III Section 313:** Not Applicable

**RCRA Status:** NA

**CERCLA Reportable Quantity:** NA

**WHMIS:** NA

### **Section 16 – Additional Information**

**Issue Date:** 12/28/06

**Revision Date:** 6/5/08