

**SDS (SAFETY DATA SHEET)**

According to OSHA Hazard Communication Standard, 29 CFR  
1910.1200

Revision Date: 06/01/2015

---

**CBG BIOTECH, LTD.**  
26400 BROADWAY AVENUE, UNIT A  
OAKWOOD VILLAGE, OHIO 44146 USA  
+1-440-786-7667

**FOR CHEMICAL SPILLS, FIRES, OR EXPOSURE:  
CALL CHEMTREC (DAY OR NIGHT)  
+1-800-424-9300 (IN USA)  
+1-703-527-3887 (INTERNATIONAL)**

---

**SECTION 1. IDENTIFICATION**

Product name: Buffered Zinc Concentrate  
Code number: CHEM010

CAS number: None -- A water solution

**SECTION 2. HAZARDS IDENTIFICATION**

**Classification of mixture:** Non-hazardous  
**Hazard Pictograms:** None  
**Signal Word:** None  
**Hazard Statements:** None  
NFPA: 1,0,0 (Health, Flammability, Reactivity)  
HMIS: 1,0,0 (Health, Flammability, Reactivity)  
See Section 11 for additional information

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Product:** Concentrated solution of sodium citrate and zinc sulfate in water such that a 1 to 40 dilution with a 10 % formalin solution will provide a final working pH of 5.6 to 5.9.  
**Ingredients:** Citric acid (CAS #77-92-9) and zinc sulfate (CAS #7733-02-0) in water; neither compound listed on SARA 313.

**SECTION 4. FIRST-AID MEASURES**

**Eye Exposure:** Flush eyes with water for 3-15 minutes; separate eyelids to assure adequate flushing  
**Skin exposure:** Flush with water  
**Oral exposure:** Wash mouth with water provided that person is conscious; call a physician  
**Inhalation:** Remove to fresh air; if breathing becomes difficult, call a physician

**SECTION 5. FIRE FIGHTING MEASURES**

Flammability:	Not combustible.
Extinguishing media:	Compatible with water spray, foam, dry chemical powder, or carbon dioxide.
Protective equipment:	Wear self-contained breathing apparatus and protective clothing to prevent contact of the powder with eyes and skin.
Specific hazards:	Can emit toxic fumes under fire conditions.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Avoid contact with eyes and skin, and avoid inhalation of dust.  
Clean up: Sweep up spilled material and place it in closed containers; wash down the spill site with water; dispose according to applicable Federal, State and Local Regulations

#### **SECTION 7. HANDLING AND STORAGE**

Handling: Avoid contact with eyes, skin and clothing, and avoid inhalation of aerosols.  
Storage: Keep containers tightly closed and store at room temperature.

#### **SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Protective Equipment: Protective gloves and safety goggles.  
Hygiene Measures: Wash thoroughly after handling.  
Engineering Controls: Safety shower, eye bath and ventilation exhaust

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear liquid.  
Boiling point: 110 °C (760 mm Hg)  
Specific gravity: 1.6 at 20 °C (H<sub>2</sub>O = 1.0)

#### **SECTION 10. STABILITY AND REACTIVITY**

Stability: Stable  
Materials to avoid: None indicated  
Hazardous polymerization: Does not occur  
Hazardous decomposition products: None

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

Exposure: May cause irritation of eyes, nasal membranes, mucous membranes, upper respiratory tract and skin. If ingested, might be harmful.  
Signs and symptoms: Not available to the best of our knowledge.

#### **SECTION 12. ECOLOGICAL INFORMATION**

Data is not yet available.

#### **SECTION 13. DISPOSAL CONSIDERATIONS**



This product does not have an EPA Waste Number, nor is it a Listed Waste. However, all disposal procedures should follow applicable Federal, State and Local Regulations

**SECTION 14. TRANSPORT INFORMATION**

DOT: Proper shipping name: None  
Hazard classification: Considered to be non-hazardous for transport.  
IATA: Hazard classification: Considered to be non-hazardous for air transport

**SECTION 15. REGULATORY INFORMATION:**

United States: SARA listed: No  
Canada: WHMIS: Classified in accordance with the CPR, and the MSDS contains all of the information required by the CPR

**SECTION 16. OTHER INFORMATION**

Disclaimer: For commercial and laboratory uses only. Not for drug, or other uses.  
Warranty: The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge, and is applicable to the product only with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. CBG Biotech, Ltd. shall not be liable for any damage resulting from handling, or from contact with the product. See reverse sides of invoice, for additional terms and conditions of sale.