



SDS (SAFETY DATA SHEET)
According to OSHA Hazard Communication Standard, 29 CFR
1910.1200

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FOR CHEMICAL SPILLS, FIRES, OR EXPOSURE:
CALL CHEMTREC (DAY OR NIGHT)
+1-800-424-9300 (IN USA)
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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 (H₂O = 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.