

**MATERIAL SAFETY DATA SHEET**

Lake Restoration, Inc.  
12425 Ironwood Circle  
Rogers, MN 55374

General Information No.  
In Case of Emergency, ChemTel, Inc.  
or National Capital Poison Control Center

763-428-9777  
800-255-3924  
800-222-1222

**I. PRODUCT IDENTIFICATION**

Product Name: Mizzen  
Active ingredient: Copper Triethanolamine Complex (26.49%)

**II. COMPOSITION INFORMATION OF INGREDIENTS**

<u>Component</u>	<u>CAS Number</u>	<u>% by Wt.</u>
Copper Triethanolamine Complex	82027-59-6	26.49%*
Other Ingredients		73.51%

\*Metallic copper equivalent, 8%

**III. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

May cause moderate irritation to the eyes. See below for route-specific details. Harmful if inhaled. Causes eye irritation. Harmful if swallowed or absorbed through the skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

**POTENTIAL HEALTH EFFECTS**

Inhalation:	May be harmful if inhaled.
Eye Irritation:	Considered to be a moderate irritant. Avoid eye contact with the product by using chemical safety glasses or goggles.
Skin Irritation:	Considered to be a negligible irritant to the skin of a rabbit.
Skin Absorption:	Moderately toxic dermally.
Ingestion:	Slightly toxic if swallowed.

**IV. FIRST AID**

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

(First Aid continued)

- If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- If on Skin of Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

#### V. FIRE FIGHTING MEASURES

- Flash Point & Method: Not determined  
Flammable Limits: Not determined  
Autoignition Temperature: Not determined

#### FIRE FIGHTING HAZARDS & PROCEDURES

- General Hazard: Prevent human exposure to fire, smoke, fumes or products of combustion.
- Extinguishing Media: Not determined
- Fire Fighting Equipment: Wear protective clothing and self-contained breathing apparatus.
- Hazardous Combustion Products: Decomposes above 200°C.

#### VI. ACCIDENTAL RELEASE MEASURES

- Spill or Leak Procedures: Cover the spill with an absorbent material such as sweeping compound or lime. Sweep up and place in suitable (fiberboard) containers for later disposal.

#### VII. HANDLING AND STORAGE

Do not contaminate water, food or feed by storage and disposal.

**Pesticide Storage:** Store in a cool, dry place.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

These precautions are suggested for conditions where exposure may exist; emergency conditions may require additional precautions.

### Engineering Controls

Local exhaust recommended

### Eye/Face Protection

Safety glasses with side shields or goggles

### Skin Protection

Chemical resistant gloves

### Respiratory Protection

None normally required. If non-routine situation requires respiratory protection use a NIOSH approved respirator rated for organic vapors and mists.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

Color: Turquoise  
Physical State: Liquid  
Odor: Moderate  
Density (23°C): 1.28248  
Viscosity: @ 19.5°C – 15.964 mm<sup>2</sup>/s (cSt)  
@ 44.5°C – 6.5916 mm<sup>2</sup>/s (cSt)  
Solubility in Water: Soluble in water and alcohols.  
pH (25°C): 6.96  
Boiling Point: Loses water and decomposes at high temperatures.  
Melting Point: Not determined  
Vapor Pressure: No appreciable vapor pressure. Open containers can lose small amounts of water by volatilization.

## X. STABILITY AND REACTIVITY

Stability: This material is stable under normal conditions.

Conditions to Avoid: Should not be used where pH of water is below 6 due to the possibility that the copper chelate may dissociate and release copper ions which could subsequently be precipitated as insoluble copper salts. Should not be applied when water temperature is below 60°F.

Hazardous Decomposition: Decomposes above 200°C.

Hazardous Polymerization: Material is not known to polymerize.

#### XI. TOXICOLOGICAL INFORMATION

Acute Toxicology:

Inhalation: Acute inhalation LC<sub>50</sub> > 1.11 mg/L (rat – 4 hour mist nose only exposure).  
Eye Irritation: Moderately irritating to the eyes.  
Skin Irritation: Considered to be a negligible irritant to the skin of a rabbit.  
Skin Absorption: Acute dermal LD<sub>50</sub> = 2,918 mg/kg  
Ingestion: Oral LD<sub>50</sub> = 1,312 mg/kg

#### XII. ECOLOGICAL INFORMATION

##### SUMMARY OF EFFECTS

This product may be toxic to fish. Some species of fish may be killed at application rates on this label – trout and channel catfish are especially sensitive. Immature fish are more susceptible to injury than mature. Generally, fish toxicity is reduced as water hardness increases. Consult State Fish and Game Agency or other responsible agency before applying this product to public waters.

#### XIII. DISPOSAL CONSIDERATIONS

Comply with appropriate disposal regulations. Landfill solids at permitted sites. Use registered transporters.

#### XIV. TRANSPORT INFORMATION

**Note:** Inhalation data generated using a smaller particle size than is reasonably foreseeable to be encountered by a human during transport. Since a mist is not likely to be generated in a leakage of the transport containment, this material is not regulated as a poison for transport per DOT 49 CFR 173.132 (b)(3), IATA 3.6.3.3, IMO IV / 6.1 / 2.2.3, RID / ADR 2600 / 2.5.

Department of Transportation (DOT): Not regulated  
International Air Transport Association (IATA): Not Regulated  
International Maritime Organization (IMO): Not Regulated

#### XV. REGULATORY INFORMATION

OSHA: This product is considered hazardous under the OSHA Hazardous Communication Standard 29 CFR 1910.1200.  
TSCA: All product components are on the TSCA Chemical Inventory or are not required to be listed on the TSCA Inventory.  
CERCLA: Releases of this material to air, land or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or to the state and local emergency

planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

RCRA: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristics definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33.

SARA TITLE III 311/312 Hazard Categories:

This product has been reviewed according to the EPA "Hazard Categories" and is categorized as an immediate health hazard (40 CFR 370.41).

313 Reportable Ingredients:

This product does not contain any material listed in Section 313 above de minimis concentrations.

<b>XVI. OTHER INFORMATION</b>
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**WARRANTY STATEMENT**

LAKE RESTORATION, INC. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of LAKE RESTORATION. In no case shall LAKE RESTORATION be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at LAKE RESTORATION'S election, the replacement of this product. LAKE RESTORATION MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.