


  
**MATERIAL SAFETY DATA SHEET**
**1. Product And Company Identification**

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**Issue Date:** 03/08/2002

**Product Name:** All Clear Green Algaecide  
**Chemical Name:** Copper Alkanolamine Complex  
**CAS Number:** Not Established  
**Chemical Family:** Copper and Nitrogen compounds  
**Chemical Formula:** Proprietary Mixture  
**MSDS Number:** 60

**2. Composition/Information On Ingredients**

Ingredient Name	CAS Number	Percent Of Total Weight
CITRICACID	77-92-9	
COPPERCARBONATE	12069-69-1	
MONOETHANOLAMINE	141-43-5	
TRIETHANOLAMINE	102-71-6	

Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).

**3. Hazards Identification**
**Primary Routes(s) Of Entry**

Skin contact, eye contact, inhalation.

**Eye Hazards**

Causes eye irritation.

**Skin Hazards**

Causes skin irritation.

**Ingestion Hazards**

Harmful if swallowed.

**Inhalation Hazards**

Causes respiratory tract irritation.

**Signs And Symptoms**

Contact with skin and eyes may be irritating. Vapors or mist may cause irritation with pain, coughing and discomfort to eyes, nose, throat, and chest.

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**3. Hazards Identification - Continued**

**Conditions Aggravated By Exposure**

None known.

**First Aid (Pictograms)**



**4. First Aid Measures**

**Eye**

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician or a poison control center immediately.

**Skin**

Rinse the affected area with tepid water for at least 15 minutes.

**Ingestion**

Call a physician or a poison control center immediately.

**Inhalation**

If inhaled, remove to fresh air.

Evaluate principal route of entry, seek appropriate medical attention. Never give anything by mouth to an unconscious person.

**Fire Fighting (Pictograms)**



**5. Fire Fighting Measures**

**Flash Point:** N/A °F

**Flammability Class:** NOT FLAMMABLE

**Extinguishing Media**

Use the appropriate extinguishing media for the surrounding fire.

**Fire Fighting Instructions**

Firefighters should wear self-contained breathing apparatus and full protective gear.

**6. Accidental Release Measures**

Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Flood with water.

**7. Handling And Storage**

**Handling And Storage Precautions**

Keep out of reach of children. Wash hands thoroughly after handling.

**Handling Precautions**

Avoid contact with eyes. Wash hands before eating, drinking or smoking.

**Storage Precautions**

Store in a cool dry place. Keep out of reach of children.

**Work/Hygienic Practices**

Use safe chemical handling procedures suitable for the hazards presented by this material.

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**Protective Clothing (Pictograms)**



**8. Exposure Controls/Personal Protection**

**Engineering Controls**

Local exhaust acceptable. Special exhaust not required

**Eye/Face Protection**

Safety glasses with side shields or goggles recommended.

**Skin Protection**

Chemical-resistant gloves.

**Respiratory Protection**

General room ventilation is normally adequate.

**Ingredient(s) - Exposure Limits**

**COPPER CARBONATE**

Copper (as dust or mist) OSHA PEL 1 mg/m<sup>3</sup>

**TRIETHANOLAMINE**

ACGIH TLV-TWA 5 mg/m<sup>3</sup>

**9. Physical And Chemical Properties**

**Appearance**

Blue viscous liquid.

**Odor**

Mild

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** N/A °F

**Boiling Point:** 212 °F

**Specific Gravity:** 1.2

**Percent Volitales:** Not established

**Vapor Pressure:** NOT DETERMINED

**Vapor Density:** >1

**Solubility:** Soluble in water

**Viscosity:** Not established

**Evaporation Rate:** <1

**10. Stability And Reactivity**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Conditions To Avoid (Stability)**

Thermal decomposition may cause oxides of carbon and nitrogen avoid strong acids and nitrites.

**11. Toxicological Information**

No Data Available...

**12. Ecological Information**

No Data Available...

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**13. Disposal Considerations**

Incinerate in a furnace or flush small amount into sewer system <5 gallons. Refer to applicable local, state and federal regulations as well as industry standards.

**14. Transport Information**

**Proper Shipping Name**

CORROSIVE LIQUIDS, N.O.S. (Copper Triethanolamine Complex)

**Hazard Class**

8, PGIII (<=4L Consumer Commodity ORM-D)

**DOT Identification Number**

UN1760

**15. Regulatory Information**

**Ingredient(s) - State Regulations**

TRIETHANOLAMINE

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

NFPA	HMIS								
	<table border="1"><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>PERSONAL PROTECTION</td><td>B</td></tr></table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	1	PERSONAL PROTECTION	B
HEALTH	2								
FLAMMABILITY	0								
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**16. Other Information**

**Revision/Preparer Information**

This MSDS Superceeds A Previous MSDS Dated: 07/26/2000

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