

**Safety Data Sheet  
4 Month Algaecide**

**Section 1: Identification**

**Product Identifier:** 4 Month Algaecide  
**Other Means of Identification:** Copper Algaecide  
**Recommended Use:** Algaecide  
**Manufacturer's Name:** AllChem  
**Corporate Address:** 6010 NW First Place, Gainesville, FL 32607  
**Manufacturer's Telephone:** (352) 378-9696 (Monday-Friday, 8AM-5PM ET)  
**Emergency Phone Number:** (352) 378-9696 (Monday-Friday, 8AM-5PM ET)  
**EPA Registration:** 69681-12-89437

**Section 2: Hazard(s) Identification**

**Hazard Classification:** Acute Inhalation Hazard  
Acute Oral Hazard  
Corrosive to Skin  
Skin Sensitizer

**Signal Word:** DANGER

**Hazard statement(s):** Acute Inhalation Toxicity - Toxic if inhaled - Category 3  
Acute Oral Toxicity - Harmful if swallowed - Category 4  
Skin Corrosion - Causes severe skin burns - Category 1  
Skin Sensitizer - May cause an allergic skin reaction.  
Eye Irritant - Causes eye irritation - Category 2B  
ENVIRONMENTAL HAZARDS: Toxic to fish and aquatic invertebrates.

**Pictograms:**



**Precautionary Statement(s):** Corrosive. Causes severe skin burns. Do not get in eyes or on clothing. Harmful if swallowed. Harmful if absorbed through skin. Toxic if inhaled. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Mixers, loaders, applicators and other handlers must wear: Coverall over long-sleeved shirt and long pants; Chemical-resistant footwear plus socks; Chemical-resistant gloves made of any waterproof material; and Chemical-resistant apron for mixing or loading.

**Hazards Not Otherwise Classified:** N/A

**Ingredient(s) With Unknown Toxicity:** N/A

### Section 3: Composition/Information on Ingredients

Ingredients	% by weight	CAS #
Copper Triethanolamine Complex	22% - 24%	82027-59-6
Water	76% - 78%	7732-18-5

**Impurities and Stabilizing Additives, Which Are Themselves Classified and Which Contribute To the Classification of the Chemical:** N/A

**The Chemical Name and Concentration of All Ingredients Which Are Classified As Health Hazards and Are Present Above Their Cut-Off/Concentration Limits or Present a Health Risk Below the Cut-Off/Concentration Limits:** N/A

**Chemicals Where a Trade Secret Is Claimed:** N/A

### Section 4: First-Aid Measures

**Eye Contact:** Causes eye irritation.

**Skin Contact:** Causes severe skin burns and may cause an allergic skin reaction.

**Inhalation:** Toxic if inhaled.

**Ingestion:** Harmful if swallowed.

**Most Important Symptoms or Effects, and Any Symptoms That Are Acute or Delayed:** N/A

**Recommendations for Immediate Medical Care and Special Treatment Needed, When Necessary:**

#### **FIRST AID PROCEDURES**

**EYE CONTACT:** 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.

**SKIN CONTACT:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

**INHALATION:** 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 poison control center or doctor for treatment advice.

**INGESTION:** Call 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 poison control center or doctor. Do not give anything by mouth to an unconscious person.

**NOTE:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIANS:** Not available.

## Section 5: Fire-Fighting Measures

**Suitable / Unsuitable Extinguishing Equipment:** Choose extinguishing media suitable for surrounding materials.

**Specific Hazards:** This product would not be expected to burn unless all the water is boiled away. The remaining organic compounds may be ignitable.

**Special Protective Equipment or Precautions for Fire Fighters:** Additional respiratory protection is necessary when a spill or accident involving this product occurs. You are recommended to use a NIOSH/MSHA approved positive pressure supplied-air respirator. Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to: boots, gloves, splash-proof goggles.

**FLASH POINT:** Not available

**AUTOIGNITION TEMPERATURE:** Not available

**UPPER FLAMMABLE LIMIT:** Not available

**LOWER FLAMMABLE LIMIT:** Not available

**FLAMMABILITY CLASS (OSHA):** Not applicable

**FLAME PROPAGATION/BURNING RATE:** Not available

**UNIQUE FIRE PROPERTIES:** None known

**HAZARDOUS COMBUSTION PRODUCTS:** None known.

**EXTINGUISHING MEDIA:** Does not burn. Use water, dry chemicals, carbon dioxide, sand or foam. Use extinguishing media appropriate for surrounding fire.

**PROTECTION OF FIREFIGHTERS:** Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Water may be used to keep fire-exposed containers cool until fire is out.

## Section 6: Accidental Release Measures

**Personal Precautions:** Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

### Methods and Materials for Containment and Cleanup:

**Air Release:** Vapors may be suppressed by the use of a water fog or spray. Contain all liquid for treatment or neutralization.

**Water Release:** This material is heavier than and miscible with water. Divert water flow around spill if possible and safe to do so. If unable to divert, create a dam to contain material. Continue to handle as described in land spill.

**Land Spill:** Create a dike or trench to contain materials. Spill materials may be absorbed using sand, clay or commercial absorbent. Do not place spill materials back in their original containers. Containerize

and label all spill materials properly. Decontaminate all clothing and the spill area using a soap solution and flush with large amounts of water.

**Spill Residues:** Dispose of per guidelines under Waste Disposal Method.

## Section 7: Handling and Storage

**Handling:** Store in a cool, dry, well-ventilated area. Avoid contact with eyes, skin, and clothing. User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**Storage:** Store in original container in a cool, dry and well ventilated place. Avoid freezing. Mix well before using. Store away from oxidizers and away from food and feedstuff.

## Section 8: Exposure Controls/Personal Protection

**OSHA Permissible Exposure Limits (PELs):** No data available.

**American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs):** No data available.

**Any Other Exposure Limit Used or Recommended:** N/A

**Appropriate Engineering Controls:** Use local exhaust ventilation.

**Individual Protection Measures (Personal Protective Equipment – PPE):** Respirator Type: NIOSH/MSHA approved positive pressure supplied-air respirator. Protective Clothing Type: Impervious: This includes" gloves, boots, apron, protective suit. Skin and Eye Protective Equipment: Use chemical goggles and impermeable splash-proof gloves.

## Section 9: Physical and Chemical Properties

**Appearance:** Clear Dark Blue Liquid

**Odor:** Odorless

**Odor threshold:** No data available

**pH:** 7.0

**Melting Point/Freezing Point:** No data available

**Initial Boiling Point and Boiling Range:** No data available

**Flash Point:** No data available

**Evaporation Rate:** No data available

**Flammability (Solid, Gas):** No data available

**Upper/Lower Flammability or Explosive Limits:** No data available

**Vapor Pressure:** No data available

**Vapor Density:** No data available

**Relative Density:** 10.64 lbs/gal

**Solubility(ies):** Miscible

**Partition Coefficient (n-octanol/water):** No data available

**Auto-ignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

**NOTE:** These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications.

### Section 10: Stability and Reactivity

**Reactivity:** Material is stable under normal temperatures.

**Chemical Stability:** Material is stable under normal temperatures.

**Possibility of Hazardous Reactions:** Hazardous Polymerization Will Not Occur

**Conditions to Avoid:** Exposure to elevated temperatures.

**Incompatible Materials:** Oxidizers.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide and oxides of nitrogen on combustion of dried product.

### Section 11: Toxicological Information

**Acute Toxicity:** Acute Toxicity (based upon available FIFRA data):  
Oral LD<sub>50</sub>: 1312 mg/kg  
Dermal LD<sub>50</sub>: 2918 mg/kg  
Inhalation LC<sub>50</sub>: 0.54 mg/l  
Skin Sensitization: sensitizer  
Primary Eye - Eye Irritant (Category III)  
Primary Dermal - Corrosive (Category I)

**Chronic Toxicity:** No data available

**Reproductive Toxicity:** No data available

**Description of the symptoms:** No data available

**Carcinogenicity:** This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

**Mutagenicity:** This product is not known or reported to be mutagenic.

### Section 12: Ecological Information (non-mandatory)

**Aquatic Toxicity:** Toxic to fish and aquatic invertebrates.

**Avian Toxicity:** No data available.

**Environmental Hazards:** Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than ½ of the water body to avoid depletion of oxygen due to decaying vegetation. Wait at least 10 to 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State or local agency with primary responsibility for regulating pesticides before applying to public waters, to determine if a permit is required. Certain water conditions including low pH ( $\leq 6.5$ ), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and "soft" waters (i.e., alkalinity less than 50 mg/L), increases the potential acute toxicity to nontarget aquatic organisms.

### Section 13: Disposal Considerations (non-mandatory)

**Do Not Dispose into Sewer.**

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D. As a non-hazardous liquid waste, it should be disposed of in accordance with local, state, and federal regulations by treatment to remove copper.

**To minimize exposure, refer to Section 8: Exposure Controls/Personal Protection**

### Section 14: Transport Information (non-mandatory)

**UN Number:** Not regulated.

**UN Proper Shipping Name:** Not regulated.

**Transport Hazard Class(es):** Not regulated.

**Packing Group Number, if Applicable:** Not regulated.

**Environmental Hazards (e.g., Marine pollutant (Yes/No)):** No.

**Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not regulated.

**Special Precautions Which a User Needs to Be Aware of, or Needs to Comply With, in Connection With Transport or Conveyance Either Within or Outside Their Premises:** None.

### Section 15: Regulatory Information (non-mandatory)

**National and/or Regional Regulatory Information of the Chemical or Mixtures (Including Any OSHA, Department of Transportation, Environmental Protection Agency, or Consumer Product Safety Commission Regulations):**

**TSCA:** This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from US Toxic Substances Control Act (TSCA) Inventory listing requirements.

**CERCLA Reportable Quantity (RQ):** This product contains approx. 28% Copper Sulfate Pentahydrate (7758-99-8); RQ of Copper Sulfate Pentahydrate is 10 lbs.

**OSHA:** This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

**EPA:** This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. Following is the hazard information as required on the pesticide label:

**SIGNAL WORD:** DANGER

**PRECAUTIONARY STATEMENTS:** HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER.

Corrosive. Causes skin burns. Do not get in eyes or on clothing. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Mixers, loaders, applicators and other handlers must wear: Coverall over long-sleeved shirt and long pants; Chemical-resistant footwear plus socks; Chemical-resistant gloves made of any waterproof material; and Chemical-resistant apron for mixing or loading.

**USER SAFETY RECOMMENDATIONS:** User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing. Follow manufacturer's instructions for cleaning/maintaining PPE. If not such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not mix with other chemicals.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and aquatic invertebrates.

**SARA Section 311/312:** Immediate (Acute) Health

**SARA Section 313:** Supplier Notification Requirements, Per 40 CFR 372.45: This mixture contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372. Diethanolamine (111-42-2).

**California Proposition 65:** This product contains a chemical(s) known to the State of California to cause cancer - Diethanolamine (111-42-2).

## Section 16: Other Information

### REVISION INFORMATION:

SDS sections(s) changed since last revision of document:

00 08/06/2015 Original SDS Document

01 03/26/2017 Updated manufacturer information and added EPA registration number

### DISCLAIMER:

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