

PROtech SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: COPPER ALGAECIDE
Synonym(s): Super Algaecide, 4 Month Algaecide
Recommended Uses: Algaecide
SDS Reference: 42

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. Distributed By: WINDO
6010 NW FIRST PLACE 6934 EAST FIRST AVENUE SUITE 101
GAINESVILLE, FL 32607 SCOTTSDALE AZ 85251
Tel: 352-378-9696
24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification: ACUTE INHALATION HAZARD
ACUTE ORAL HAZARD
CORROSIVE TO SKIN
SKIN SENSITIZER



Signal Word: DANGER

Hazard Statements: HEALTH HAZARDS:
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.

Precautionary Statements: 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.

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.

3. COMPOSITION

	PERCENT %	CAS #
Chemical Name: Copper Triethanolamine Complex	22 - 24	82027-59-6
Water	76 - 78	7732-18-5

4. FIRST AID

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

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 poison control center or doctor for treatment advice.

If Swallowed: 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.

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5. FIREFIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media:	Choose extinguishing media suitable for surrounding materials.
Specific Hazards from Chemical:	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:	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.
Other Information:	No data available

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 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. 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.

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 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.
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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit:	No data available.
Appropriate Engineering Controls:	Use local exhaust ventilation.
Individual Protection Measures:	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 goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Dark Blue Liquid	Flammability (solid/gas):	No data available
Odor:	Odorless	Upper/lower Flammability or Exposure limits:	No data available
Odor Threshold:	No data available	Vapor Pressure:	No data available
pH:	7.0	Vapor Density:	No data available
Melting Point/Freezing Point:	No data available	Density:	10.64 lbs/gal
		Solubility(ies):	Miscible
Initial Boiling Point/Boiling Range:	No data available	Partition Coefficient: n-octanol/water:	No data available
		Auto-ignition Temperature:	No data available

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Flash Point: No data available

Decomposition Temperature: No data available

Evaporation Rate: No data available

Viscosity: No data available

10. STABILITY AND REACTIVITY

Stability/Reactivity: Material is stable under normal temperatures.

Possibilities of Hazardous Reactions: Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Exposure to elevated temperatures.

Incompatible Materials: Oxidizers.

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute Toxicity (based upon available FIFRA data):

Oral LD50: 1312 mg/kg

Dermal LD50: 2918 mg/kg

Inhalation LC50: 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.

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.

12. ECOLOGICAL INFORMATION

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 (≤ 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 non-target aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal: Waste Disposal Method: 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.

14. TRANSPORTATION INFORMATION

Transportation: Please refer to applicable regulations or call company noted under Section I.

15. REGULATORY INFORMATION

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.

SARA (311, 312): Immediate (Acute) Health

SARA 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.

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Diethanolamine (111-42-2)

Right To Know Hazardous Substance List: California Proposition 65: This product contains a chemical(s) known to the State of California to cause cancer - Diethanolamine (111-42-2)

Waste Classification: As a non-hazardous liquid waste, it should be disposed of in accordance with local, state, and federal regulations by treatment to remove copper.

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

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

EPA NOTES:

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.

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: No data available

NFPA Rating: No data available

Revision Date: 5/14/2015

Special Hazard Warning: Not applicable