

SECTION 1: IDENTIFICATION

Product Trade Name: ALGAE DEFENSE
Active Ingredient: Copper Triethanolamine Complex (26.49%)
EPA Reg No: 83742-1

Date: 05-14-2012

SECTION 2. HAZARD(S) IDENTIFICATION

Emergency Overview

Harmful if swallowed or absorbed through the skin. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact can cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using toilet. 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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Elemental Copper
Triethanolamine Complex 26.49%
Other ingredients 73.51%

*Metallic copper equivalent, 8% (CAS No. 82027-59-6)

Components not precisely identified are proprietary or not hazardous.

SECTION 4: FIRST AID MEASURES

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.

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.

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

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 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.

SECTION 5: 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.

SECTION 6: 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.

SECTION 7: HANDLING AND STORAGE

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

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| 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. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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| 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. |
| Vapor Pressure: | No appreciable vapor pressure. Open containers can lose small amounts of water by volatilization. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Color: | Blue |
| Physical State: | Viscous Liquid |
| Odor: | Faint, ammonia-like |
| Density (20° C): | 1.19 g/mL |
| Viscosity: | @ 20.0 ° C – 11.17 centistokes @ 40.0 ° C – 5.089 centistokes |
| pH: | 9.05 |

SECTION 10: STABILITY AND REACTIVITY

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| 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. |

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicology

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| Inhalation: | Acute inhalation LC ₅₀ > 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 ₅₀ = 2,918 mg/kg |
| Ingestion: | Oral LD ₅₀ = 1,312 mg/kg |

SECTION 12: ECOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic invertebrates. 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 body of water to avoid depletion of oxygen due to decaying vegetation. Wait at least 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.

SECTION 13: DISPOSAL CONSIDERATIONS

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 Environmental Protection Agency (EPA) Regional Office for guidance.

CONTAINER HANDLING: NONREFILLABLE CONTAINER: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling, if available 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.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

SECTION 14: 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.

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

SECTION 15: REGULATORY INFORMATION

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| 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 characteristic 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. |

SECTION 16: OTHER INFORMATION

The above information is given in good faith, and is based upon research of others, and is believed to be accurate by Airmax[®] Ecosystems. No known relevant information has been omitted. The above information is designed to enable the User to use the product safely, and is provided solely for the User's assistance in complying with the Occupational Safety and Health Act of 1970, and the regulations there under. Any other use is prohibited. Airmax[®] Ecosystems assumes no responsibility or liability for any loss, injury, or damage, which may occur from the use or misuse of their products. Also, because actual use by others is beyond our control, no guarantee or warranty, is either expressed or implied, by Airmax[®] Ecosystems, as to the product or its use or misuse. Where the Customer has concerns, it is recommended that the Customer(s) perform their own tests.