

MATERIAL SAFETY DATA SHEET

Date Issued: 07/14/2008
MSDS No: Blue Wave Eliminator
Date Revised: 08/15/2011
Revision No: 3

Blue Wave Eliminator

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Blue Wave Eliminator

GENERAL USE: Algaecide

DISTRIBUTOR

Blue Wave Products
1745 Wallace Ave # B
St Charles, IL 60174

Product Stewardship: (800) 579-0977

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Corrosive to eyes.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye burns.

SKIN: Not expected to be irritating to the skin. Not expected to be toxic from dermal contact.

INGESTION: Harmful if swallowed. Causes digestive tract burns.

INHALATION: May cause irritation to mucous membranes and respiratory tract.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: No known or reported effects to humans from repeated exposure to the product.

CARCINOGENICITY: Not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Not known or reported to cause reproductive or developmental toxicity.

SENSITIZATION: Not expected to be a skin sensitizer.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS
Basic Copper Carbonate	12069-69-1	235-113-6
Citric Acid	77-92-9	201-069-9
Ethanolamine	141-43-5	205-483-3
Triethanolamine	102-71-6	203-049-8

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4. FIRST AID MEASURES

EYES: Hold eyes 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: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Product is not flammable. Not combustible. Not classified as pyrophoric. Not explosive.

FLAMMABLE LIMITS: 0 to 0

EXTINGUISHING MEDIA: Carbon dioxide, foam and dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

EXPLOSION HAZARDS: Will not burn.

FIRE FIGHTING PROCEDURES: Use water spray to cool unopened containers.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spillage and then collect with non-combustible absorbent material (such as sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: This material is soluble in water. If the product contaminates rivers and lakes or drains, inform respective authorities.

LAND SPILL: After removal, flush contaminated area thoroughly with water. Avoid runoff into storm sewers and ditches which lead to waterways.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin, eyes and clothing. If in eyes or on skin, rinse well with water. Avoid breathing vapors, mist or gas.

STORAGE: Store in a cool, dry, well-ventilated area away from incompatible materials. Do not freeze.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical resistant goggles.

SKIN: Impervious gloves.

RESPIRATORY: Wear a NIOSH approved respirator if levels above the exposure limits are possible. A NIOSH approved air purifying respirator with organic vapor cartridge and P95 particulate filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten times the published limit.

PROTECTIVE CLOTHING: Impervious clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild.

APPEARANCE: Blue viscous liquid.

pH: 9.7 to 10.3

VAPOR PRESSURE: Not Determined

BOILING POINT: (212 °F)

FLASHPOINT AND METHOD: Product is not flammable. Not combustible. Not classified as pyrophoric. Not explosive.

SPECIFIC GRAVITY: 1.190 to 1.210

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat, flames and sparks.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, nitrogen oxides (NO_x), Hydrogen chloride

INCOMPATIBLE MATERIALS: Avoid strong acids and nitrates.

11. TOXICOLOGICAL INFORMATION

ACUTE

NOTES: This products is corrosive to the eyes, non-irritating to the skin and upon inhalation, may cause irritation to mucous membranes and respiratory tract.

EYE EFFECTS: Corrosive to eyes.

SKIN EFFECTS: Not expected to be irritating to skin.

SENSITIZATION: Not known or reported to be a skin or respiratory sensitizer.

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REPRODUCTIVE EFFECTS: Not known to cause reproductive toxicity.

MUTAGENICITY: Non-mutagenic.

COMMENTS: None available.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: Toxic to fish and other aquatic organisms.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with applicable local, state, and federal regulations.

RCRA/EPA WASTE INFORMATION: This product does meet the criterial of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid N.O.S. (Copper Triethanolamine Complex)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1760

PACKING GROUP: III

OTHER SHIPPING INFORMATION: DOT exception 173.154 - this product qualifies as a Limited Quantity when inner packaging does not exceed 1 gallons.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Not listed.

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

313 REPORTABLE INGREDIENTS: Diethanolamine: Deminimis concentration value < 1% by weight

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Diethanolamine: 100 lbs.

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Triethanolamine	Massachusetts Hazardous Substance

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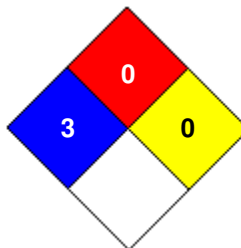
16. OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 07/22/2011 MSDS. Revised: **Section 2: EMERGENCY OVERVIEW - IMMEDIATE CONCERNS.**

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY		0
PHYSICAL HAZARD		1
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



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