

SECTION 1: IDENTIFICATION

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

Date: 09-21-2015

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

COMPANY NAME: Airmax®, Inc.
COMPANY ADDRESS: P.O. Box 38,
Romeo, Michigan 48065
COMPANY TELEPHONE: Office hours (Mon - Fri)
9:00 am to 5:00 pm
(866) 424-7629
COMPANY CONTACT NAME: Main Office
EMERGENCY PHONE NUMBER: Poison Control 800-222-1222

SECTION 2. HAZARD(S) IDENTIFICATION

CLASSIFICATION:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

ACUTE TOXICITY - ORAL: Category 4
ACUTE TOXICITY - INHALATION (VAPORS): Category 2
ACUTE TOXICITY - INHALATION (DUSTS/MISTS): Category 4
SKIN CORROSION/IRRITATION: Category 2
SERIOUS EYE DAMAGE/EYE IRRITATION: Category 2A
SKIN SENSITISATION: Category 1



GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

SIGNAL WORD: Warning
HAZARD STATEMENTS: HARMFUL IF SWALLOWED
FATAL IF INHALED
CAUSES SKIN IRRITATION
Causes serious eye irritation
May cause an allergic reaction

PRECAUTIONARY STATEMENTS:

- PREVENTION:** Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
In case of inadequate ventilation, wear respiratory protection.
Wear protective gloves/protective clothing/eye protection/face protection.
Contaminated work clothing should not be allowed out of the workplace.
- RESPONSE:** See First Aid Measures Section
- EYES:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists. Get medical advice/attention.
- SKIN:** IF ON SKIN: Wash with plenty of soap and water.
Take off contaminated clothing and wash before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
- INHALED:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a POISON CENTER or doctor if you feel unwell.
- INGESTED:** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.
- STORAGE:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.
- DISPOSAL:** Dispose of contents/container to an approved waste disposal plant.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): Not applicable
OTHER INFORMATION: Harmful to aquatic life with long lasting effects.
Harmful to aquatic life.
May be harmful in contact with skin.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% BY WEIGHT	TRADE SECRET
Copper Triethanolamine Complex	82027-59-6	26.49	
Ammonium hydroxide	1336-21-6	<1	

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

INGESTION:	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.
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 a poison control center or doctor for further treatment advice.
SKIN CONTACT:	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.
EYE CONTACT:	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.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

None

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to Physician: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Carbon dioxide (CO ₂). Water. Foam.
UNSUITABLE EXTINGUISHING MEDIA:	N/A
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	Thermal decomposition can lead to release of irritating gases and vapors.
HAZARDOUS COMBUSTION PRODUCTS:	Decomposes at 200 C.

EXPLOSION DATA:

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

Use personal protective equipment. As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS:	Provide adequate ventilation. Avoid contact with the skin and the eyes. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.
ENVIRONMENTAL PRECAUTIONS:	Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

CLEANING UP:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.
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SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

HANDLING: Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Keep out of reach of children. Wash thoroughly after handling.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE: Keep container tightly closed in a cool, well-ventilated place. Keep out of reach of children.
INCOMPATIBLE PRODUCTS: Strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

ENGINEERING CONTROLS: Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. Safety glasses with side-shields.

SKIN AND BODY PROTECTION: Wear protective gloves/clothing. Chemical resistant footwear plus socks.

RESPIRATORY PROTECTION: Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type of equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

HYGIENE MEASURES: Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
APPEARANCE: Blue
ODOR: Faint ammonia
PH: 9
MELTING/FREEZING POINT: 10 °C / 50 °F
BOILING POINT/ BOILING RANGE: No data available
FLASH POINT: No data available
EVAPORATION RATE: No data available
FLAMMABILITY (SOLID, GAS): No data available
UPPER/LOWER FLAMMABILITY LIMITS: No data available
VAPOR PRESSURE: No data available
VAPOR DENSITY: No data available
SPECIFIC GRAVITY: 1.19 g/mL
WATER SOLUBILITY: No data available
SOLUBILITY IN OTHER SOLVENTS: No data available
PARTITION COEFFICIENT
N-OCTANOL/WATER: No data available
AUTOIGNITION TEMPERATURE: No data available
DECOMPOSITION TEMPERATURE: No data available
VISCOSITY, KINEMATIC: No data available
DYNAMIC VISCOSITY: No data available
EXPLOSIVE PROPERTIES: No data available

OXIDIZING PROPERTIES: No data available

OTHER INFORMATION:

SOFTENING POINT: No data available
MOLECULAR WEIGHT: No data available
VOC CONTENT: No data available
DENSITY: No data available
BULK DENSITY: No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No data available.
CHEMICAL STABILITY: Stable under recommended storage conditions.
POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing.
HAZARDOUS POLYMERIZATION: Hazardous polymerization does not occur.
CONDITIONS TO AVOID: Do not expose to extreme temperatures for long periods of time or direct sunlight.
INCOMPATIBLE MATERIALS: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:
PRODUCT INFORMATION

SYMMETRY:
ACUTE ORAL LD50: 1,312 mg/kg (rat)
ACUTE DERMAL LD50: 2,918 mg/kg (rat)
ACUTE INHALATION: 1.11 mg/L (rat - 4 hour mist nose only)
EYE IRRITATION: Moderately irritating
SKIN IRRITATION: Mild skin irritation

INHALATION: May cause irritation of respiratory tract.
EYE CONTACT: Moderately irritating to the eyes.
SKIN CONTACT: Irritating to skin. May be absorbed through the skin in harmful amounts.
INGESTION: HARMFUL IF SWALLOWED.

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
Ammonium hydroxide (1336-21-6)	= 350 mg/kg (Rat)	-	-

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS: None known.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

SENSITIZATION: No information available.
MUTAGENIC EFFECTS: No information available.
CARCINOGENICITY: The information below indicates whether any agency has listed any ingredient as a carcinogen.
REPRODUCTIVE TOXICITY: Not available.
STOT – SINGLE EXPOSURE: No information available.
STOT – REPEATED EXPOSURE: No information available.
ASPIRATION HAZARD: No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECO-TOXICITY: Toxic to fish and aquatic invertebrates.
PERSISTENCE AND DEGRADABILITY: No information available.
BIOACCUMULATION: Does not bioaccumulate.
OTHER ADVERSE EFFECTS: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

DISPOSAL METHODS:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or 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.

CONTAMINATED PACKAGING:

Refer to product label. Chemical Name: Ammonium hydroxide.

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.

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

SECTION 15: REGULATORY INFORMATION

This chemical is a pesticide product registered by the 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. Following is the hazard information as required on the pesticide label:

SIGNAL WORD: CAUTION
VENTILATION CONTROL: PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

Keep out of Reach of Children. Harmful if swallowed or absorbed through the skin. Prolonged or frequent repeated skin contact may cause allergic reaction in some individuals. Toxic to fish and aquatic organisms.

INTERNATIONAL INVENTORIES

COUNTRY(S) OR REGION	INVENTORY NAME	COMPLY (YES/NO)
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Not determined
Canada	Non-Domestic Substances List (NDSL)	Not determined
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	Europe List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Korean Existing Chemicals List (KECL)	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

US FEDERAL REGULATIONS

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372

SARA 311/312 HAZARD CATEGORIES:

ACUTE HEALTH HAZARD : Yes
CHRONIC HEALTH HAZARD: No
FIRE HAZARD: No
SUDDEN RELEASE OF PRESSURE HAZARD: No
REACTIVE HAZARD: Yes



CHEMICAL NAME	CWA - REPORTABLE QUANTITIES	CWA - TOXIC POLLUTANTS	CWA - PRIORITY POLLUTANTS	CWA - REPORTABLE SUBSTANCES
Ammonium hydroxide (1336-21-6)	1000 lb			X

CHEMICAL NAME	RQ	CERCLA EHS RQS	RQ
Ammonium hydroxide (1336-21-6)	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

CERCLA:

COMPONENT: Ammonium Hydroxide - 1336-21-6 (<1)
RQ: 1000 lb

SARA PRODUCT RQ: 0

RCRA: PESTICIDE INFORMATION

COMPONENT	FIFRA - RESTRICTED USE	FIFRA - PESTICIDE PRODUCT OTHER INGREDIENTS	FIFRA - LISTING OF PESTICIDE CHEMICALS	CALIFORNIA PESTICIDES RESTRICTED MATERIALS
Ammonium hydroxide 1336-21-6 (<1)			X	

US STATE REGULATIONS

CHEMICAL NAME	MASSACHUSETTS	NEW JERSEY	PENNSYLVANIA	ILLINOIS	RHODE ISLAND
Ammonium hydroxide	X	X	X		

INTERNATIONAL REGULATIONS

U.S. EPA LABEL INFORMATION:

EPA PESTICIDE REGISTRATION NUMBER: 70506-249

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[®], Inc. 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[®], Inc. 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[®], Inc., 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.