

SECTION 1: IDENTIFICATION

Product Trade Name: BIOCUDA® BIO-MAX+

Date: 04-13-2017

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

COMPANY NAME: Atlantic™ Water Gardens
COMPANY ADDRESS: 4494 Orchard Street,
Mantua, OH 44255
COMPANY TELEPHONE: Office hours (Mon - Fri)
9:00 am to 5:00 pm
(330) 274-8317
COMPANY CONTACT NAME: Main Office
EMERGENCY PHONE NUMBER: Poison Control 800-222-1222

SECTION 2: HAZARD(S) IDENTIFICATION

CLASSIFICATION:

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

SKIN SENSITIZATION / SUBCATEGORY 1

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

SIGNAL WORD: Warning
HAZARD STATEMENTS: May cause an allergic skin reaction



PRECAUTIONARY STATEMENTS:

- **PREVENTION:** Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves and eye protection.
- **RESPONSE:** See First Aid Measures Section
- **SKIN:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- **STORAGE:** None
- **DISPOSAL:** Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): Not applicable
OTHER INFORMATION: Causes mild skin irritation
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

INTERACTIONS WITH OTHER CHEMICALS: No information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a buffered and preserved aqueous solution containing naturally-occurring viable bacterial cultures.

HAZARDOUS INGREDIENTS

NAME	CAS #	% BY WEIGHT	TRADE SECRET
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SECTION 4: FIRST-AID MEASURES

GENERAL ADVICE: Show this safety data sheet to the Doctor in attendance
EYE CONTACT: Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, call a physician.

SKIN CONTACT:	Wash with soap and water. In the case of skin irritation or allergic reactions, see a physician.
INHALATION:	Remove to fresh air.
INGESTION:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	Itching. Rashes. Hives.
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:	Notes to Physician: May cause sensitization of susceptible persons. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
UNSUITABLE EXTINGUISHING MEDIA:	CAUTION: Use of water spray when fighting fire may be inefficient.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	Product is or contains a sensitizer. May cause sensitization by skin contact.
UNIFORM FIRE CODE:	Sensitizer: Liquid
HAZARDOUS COMBUSTION PRODUCTS:	Carbon oxides.
EXPLOSION DATA:	
SENSITIVITY TO MECHANICAL IMPACT:	No
SENSITIVITY TO STATIC DISCHARGE:	No
PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	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:	Avoid contact with skin and eyes
ENVIRONMENTAL PRECAUTIONS:	Refer to protective measures listed in Sections 7 and 8

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

CONTAINMENT:	Prevent further leakage or spillage if safe to do so.
CLEANING UP:	Pick up and transfer to properly labelled containers. Soak up with inert absorbent material.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

HANDLING:	Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin and eyes.
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CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE:	Keep container tightly closed.
INCOMPATIBLE PRODUCTS:	Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

EXPOSURE GUIDELINES:	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
OTHER EXPOSURE GUIDELINES:	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

APPROPRIATE ENGINEERING CONTROLS:

ENGINEERING MEASURES: Showers, Eyewash stations, Ventilation systems.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: None required for consumer use. If splashes are likely to occur, wear safety glasses with side-shields.

SKIN AND BODY PROTECTION: None required for consumer use. Repeated or prolonged contact: Wear protective gloves and protective clothing.

RESPIRATORY PROTECTION: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practices. Take off contaminated clothing and wash before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
APPEARANCE: Straw colored
ODOR: Characteristic
ODOR THRESHOLD: No information available
PH: 6.5 – 8.8
MELTING/FREEZING POINT: 100 °C / 212 °F
BOILING POINT/ BOILING RANGE: None
FLASH POINT: None
EVAPORATION RATE: No data available
FLAMMABILITY (SOLID, GAS): None
UPPER/LOWER FLAMMABILITY LIMITS: No data available
VAPOR PRESSURE: No data available
VAPOR DENSITY: No data available
SPECIFIC GRAVITY: 1.01
WATER SOLUBILITY: Dispersible
SOLUBILITY IN OTHER SOLVENTS: No data available
PARTITION COEFFICIENT:
N-OCTANOL/WATER: No data available
AUTOIGNITION TEMPERATURE: No data available
VISCOSITY: Water-thin
VOC CONTENT (%): Negligible

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. Close containers when not in use.
INCOMPATIBLE MATERIALS: Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:
PRODUCT INFORMATION

INHALATION: Specific test data for the mixture is not available.
EYE CONTACT: Specific test data for the mixture is not available.
SKIN CONTACT: Specific test data for the mixture is not available. May cause sensitization by skin contact.
INGESTION: Specific test data for the mixture is not available.
COMPONENT INFORMATION: No information available.

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS: Itching. Rashes. Hives

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

SENSITIZATION: May cause sensitization of susceptible persons. May cause sensitization by skin contact.
MUTAGENIC EFFECTS: No information available.
CARCINOGENICITY: Contains no ingredient listed as a carcinogen.
REPRODUCTIVE TOXICITY: No information available.
STOT – SINGLE EXPOSURE: No information available.
STOT – REPEATED EXPOSURE: No information available.
CHRONIC TOXICITY: No known effect based on available information.
TARGET ORGAN EFFECTS: Skin.
ASPIRATION HAZARD: No information available.
NUMERICAL MEASURES OF TOXICITY: Not applicable

SECTION 12: ECOLOGICAL INFORMATION

ECO-TOXICITY, PERSISTENCE AND DEGRADABILITY, AND BIOACCUMULATION:

This product is not expected to be dangerous to the environment with respect to mobility, persistency and biodegradability, bio-accumulative potential, aquatic toxicity, and other data related to eco-toxicity.

OTHER ADVERSE EFFECTS:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

DISPOSAL METHODS:

This material, as supplied, is not a hazardous waste according to Federal Regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult with the appropriate State, Regional, or Local regulations for additional requirements.

CONTAMINATED PACKAGING:

Dispose of contents/containers in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT: Not Regulated
PROPER SHIPPING NAME: Not Regulated
HAZARD CLASS: N/A

TDG: Not Regulated
MEX: Not Regulated
ICAO: Not Regulated
IATA: Not Regulated
IMDG/IMO: Not Regulated
RID: Not Regulated
ADR: Not Regulated
ADN: Not Regulated

SECTION 15: REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA: Complies
DSL: All components are listed either on the DSL or NDSL

*TSCA – United States Toxic Substances Control Act – Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List*



US FEDERAL REGULATIONS

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 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:	No

CWA (CLEAN WATER ACT):

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or State level pertaining to releases of this material.

US STATE REGULATIONS

CALIFORNIA PROPOSITION 65:	This product does not contain any Proposition 65 chemicals
US STATE RIGHT-TO-KNOW REGULATIONS:	This product does not contain any substances above threshold limits that are regulated by State right-to-know.

SECTION 16: OTHER INFORMATION

N/A

The above information is given in good faith, and is based upon research of others, and is believed to be accurate by Atlantic™ Water Gardens. 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. Atlantic™ Water Gardens 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 Atlantic™ Water Gardens, 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.