

SECTION 1: IDENTIFICATION

Product Trade Name: CLARITY-BLAST+
Name and/or Family or Description: Bacterial/Enzyme. No IUC name for the mixture is known.
Chemical Formula: N/A
CAS No.: N/A
DOT Proper Shipping Name: Chemicals Not Otherwise Indexed (NOI) Non-Hazardous
DOT Hazard Class: Not Regulated
DOT Label: None

Date: 09-29-15

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

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

SIGNAL WORD:	Warning
HAZARD STATEMENTS:	May form combustible dust concentrations in air.

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. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.
- 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
MIXTURE: Bacterial/Enzyme

CHEMICAL NAME	CAS #	% BY WEIGHT	TRADE SECRET
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** Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.
 Note: The balance of the ingredients are not classified as hazardous, or are below the classification threshold under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.*

SECTION 4: FIRST AID MEASURES

INGESTION:	Rinse mouth and throat with water if ingested. Never give anything by mouth to an unconscious person.
INHALATION:	In case of inhalation, remove from area of exposure; if allergic symptoms occur in 0-48 hours, seek medical attention.
SKIN CONTACT:	Wash affected area of skin with soap and remove contaminated clothing.
EYE CONTACT:	If eye contact occurs rinse thoroughly with water for several minutes, seek medical attention if irritation occurs.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	Possible allergic response or irritation in affected individuals to skin contact, eye contact, or inhalation of dust from product. Individuals with known allergies, particularly to feedstuffs or enzymes, as well as those individuals with chronic respiratory diseases or particular susceptibility thereto and those with asthmatic conditions should avoid contact with dusty conditions.
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:	If any symptoms are observed, contact a physician and give them this SDS sheet.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Not Flammable. Use water spray or water flooding to extinguish.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	May explode if mixed with oxidizers, such as potassium, nitrate, or potassium chlorate.
HAZARDOUS COMBUSTION PRODUCTS:	Toxic fumes of ammonia and sulfur oxides may be released violently at high temperatures. Carbon dioxide, carbon monoxide, oxides of nitrogen.
EXPLOSION DATA:	
PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	Full protective clothing and NIOSH-approved self-contained breathing apparatus should be worn. Use water to cool exposed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

<u>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</u>	
PERSONAL PRECAUTIONS:	Wear appropriate protective equipment, such as gloves, goggles and protective clothing, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.
ENVIRONMENTAL PRECAUTIONS:	Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.
<u>METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:</u>	
CLEANING UP:	Sweep up bulk material without releasing dust and reuse wherever possible; where contaminated or unusable, dispose of by landfilling.

SECTION 7: HANDLING AND STORAGE

<u>PRECAUTIONS FOR SAFE HANDLING:</u>	
Caution! Keep out of reach of children. Keep container closed. Do not contact eyes or skin. Do not take internally. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).	
<u>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</u>	
Maintain good housekeeping, avoid creating aerosol. Keep out of direct sunlight and in cool dry place as deterioration of product and loss of activity may occur under above conditions.	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS: OCCUPATIONAL EXPOSURE LIMITS:

US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200) PERMISSIBLE EXPOSURE LIMITS:

SUBSTANCE	PEL-TWA (8HOUR)	PEL-STEL (15MIN)
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US ACGIH THRESHOLD LIMIT VALUES:

SUBSTANCE	TLV-TWA (8 HOUR)	TLV-STEL(15 MIN)
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NIOSH EXPOSURE LIMITS:

SUBSTANCE	TWA	STEL
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EXPOSURE GUIDELINES:

ENGINEERING CONTROLS: Provide ventilation to keep exposure below Nuisance Dust Limits. Local exhaust ventilation preferred.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: ANSI approved safety glasses with side protection. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury.

SKIN AND BODY PROTECTION: Long sleeved shirt, trousers, safety shoes, and gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

RESPIRATORY PROTECTION: Wear suitable NIOSH-approved dust masks or respiratory protector where local ventilation exhaust is not available or dusty situations are likely to result.

OTHER: Other protective clothing may be required depending on degree of exposure. Eye wash facility should be available.

THERMAL HAZARDS: No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	PHYSICAL STATE:	Powder
	APPEARANCE:	Tan
	ODOR:	Slight
	ODOR THRESHOLD:	No data available
	PH:	No data available
	MELTING/FREEZING POINT:	No data available
	BOILING POINT/ BOILING RANGE:	No data available
	FLASH POINT:	Not applicable
	EVAPORATION RATE:	Not applicable
	FLAMMABILITY (SOLID, GAS):	Non-flammable
	UPPER/LOWER FLAMMABILITY LIMITS:	Not applicable
	VAPOR PRESSURE:	Not applicable
	VAPOR DENSITY:	Not applicable
	SPECIFIC GRAVITY:	No data available
	WATER SOLUBILITY:	Appreciable
	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
OTHER INFORMATION	MOLECULAR WEIGHT:	No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not chemically reactive.
CHEMICAL STABILITY:	Stable under normal ambient and anticipated conditions of use.
POSSIBILITY OF HAZARDOUS REACTIONS:	Not known.
CONDITIONS TO AVOID:	Excessive heat and contamination of any kind.
INCOMPATIBLE MATERIALS:	Oxidizing agents attack the organic components of these products. As with other organic carbonaceous compounds, these reactions result in heat which is contained in a confined space can cause fires. Hypochlorites, chlorinated isocyanurates, and perborates are examples of oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	No uniquely hazardous decomposition products are expected. If the organic portion of product is burned, as with any nitrogen containing organic material, oxides of nitrogen, carbon dioxide, and water can be produced. Partial combustion may produce, in addition to the above, soot and various oxides of carbon.

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.
INGESTION:	Specific test data for the mixture is not available.
COMPONENT INFORMATION:	No information available.

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:	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

INGREDIENT INFORMATION: **ECO-TOXICITY:** PRODUCT DATA: None available

SUBSTANCE	TEST TYPE	SPECIES	VALUE
Crystalline Silicon	LC50	-	-
	EC50	-	-
	EC/LC50	-	-

PERSISTENCE AND DEGRADABILITY:	No data available.
BIOACCUMULATION:	No data available.
MOBILITY IN SOIL:	No data available.
OTHER ADVERSE EFFECTS:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS
APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Dispose of contaminate product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures.

SECTION 14: TRANSPORTATION AND SHIPPING 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

USA- UNITED STATES FEDERAL REGULATIONS:	This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.
TOXIC SUBSTANCES CONTROL ACT (TSCA):	All substances in this product are listed, as required, or are exempt from the TSCA inventory.
SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986 TITLE III SECTIONS 302, 311, 312 AND 313:	Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
CERCLA HAZARDOUS SUBSTANCE LIST, 40 CFR 302.4:	This product does not contain chemicals listed on CERCLA.
CLEAN AIR ACT (CAA) SECTION 112(R) ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130):	None
CLEAN WATER ACT SECTION 311 HAZARDOUS SUBSTANCES (40 CFR 117.3):	None
SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE (40 CFR 355, APPENDIX A): SECTION 311/312 (40 CFR 370):	None
	ACUTE HEALTH HAZARD: No CHRONIC HEALTH HAZARD: Yes FIRE HAZARD: No PRESSURE HAZARD: No REACTIVITY HAZARD: No
SECTION 313 TOXIC RELEASE INVENTORY (40 CFR 372):	None
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

Precautions to be Taken in Handling or Storing: Prevent skin and eye contact. Avoid creating aerosol. Wash hands thoroughly with soap and water after use. Avoid creating dust. Keep out of the reach of children!

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.