

SECTION 1: IDENTIFICATION

Product Trade Name: ECOSOLV™

Date: 12-20-2017


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: Not classified under GHS.

LABELING

SYMBOL:	
SIGNAL WORD:	
GHS HAZARD STATEMENT:	Warning H302 Harmful if swallowed H315 Causes skin irritation H319 Causes serious eye irritation H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
GHS PRECAUTIONARY STATEMENTS:	P261 Avoid breathing dust/fume/gas/mist/vapors/spray P262 Do not get in eyes, on skin, or on clothing P264 Wash face, hands, and any exposed skin thoroughly after handling P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in a well-ventilated area P312 Call a POISON CENTER or doctor/physician if you feel unwell P330 Rinse mouth P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P337+P313 If eye irritation persists get medical advice/attention P501 Dispose of contents/container in accordance with local/regional/ national/ international regulations

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION (%)
Acid Blue	9 3844-45-9		Proprietary
Protease	9014-01-1 P		Proprietary
Cellulase TLAN	9012-54-8		Proprietary
	912-54-8		
	9032-75-1		
Lipase	9001-62-1		Proprietary
Proprietary			<10%

SECTION 4: FIRST AID MEASURES

INHALATION:	Rescuers should put on appropriate protective gear. Remove from area of exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get medical attention if adverse health effects persist or are severe. To prevent aspiration, keep head below knees .
SKIN CONTACT:	Remove contaminated clothing. Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing separately and clean shoes before reuse .
EYE CONTACT:	Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention if irritation persists.
INGESTION:	If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	In a fire or if heated, a pressure increase will occur and the container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway.
SPECIAL 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

SPILL AND LEAK PROCEDURES:	
SMALL SPILLS:	For small spills, take up material with an absorbent such as clay or sand and dispose of properly. Flush area with water to remove trace residue.
LARGE SPILLS:	Wear protective clothing as appropriate. Shut off source of leak if it is safe to do so. Dike and contain spilled material. Soak up residue with an absorbent such as clay, sand or other suitable material. Collect in suitable and properly label containers for disposal. Flush area with water to remove trace residue.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing . Wash thoroughly after handling.
CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area food and drink . Keep container tightly closed and sealed until ready for use.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE LIMITS:

CHEMICAL NAME / CAS #	OSHA EXPOSURE LIMITS	ACGIH EXPOSURE LIMITS	OTHER EXPOSURE LIMITS
Proprietary			

ENGINEERING CONTROLS:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
RESPIRATORY PROTECTION:	A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.
EYE PROTECTION:	Wear safety glasses with side shields (or goggles) and a face shield .
SKIN PROTECTION:	Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots .

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGIENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, bluish tint
ODOR:	Mild
ODOR THRESHOLD:	Unknown
PH:	6.0 to 8.0
FLASHPOINT:	> 100°C (> 212°F)
AUTO IGNITION TEMPERATURE:	Unknown
FLAMMABILITY:	Unknown
EXPLOSIVE LIMITS:	Unknown
BOILING RANGE:	> 100°C (> 212°F)
MELTING POINT:	< 0°C (< 32°F)
FREEZING POINT:	Unknown
SPECIFIC GRAVITY:	Unknown
DENSITY:	1.13 to 1.16
VAPOR PRESSURE:	Unknown
VAPOR DENSITY:	Unknown
EVAPORATION RATE:	Unknown
VISCOSITY:	125 mPa-s (125 cP)
SOLUBILITY:	Easily soluble
GRAMS VOC LESS WATER:	Unknown
DECOMPOSITION TEMPERATURE:	Unknown

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	STABLE
INCOMPATIBLE MATERIALS:	No data available.
CONDITIONS TO AVOID:	No data available.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds.
HAZARDOUS POLYMERIZATION:	Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

MIXTURE TOXICITY:	Oral Toxicity LD50: 1,951 mg/kg Dermal Toxicity LD50: 2,000 mg/kg Inhalation Toxicity LC50: 3 mg/L
COMPONENT TOXICITY:	N/A
ROUTES OF ENTRY:	Inhalation, Ingestion, Skin contact, Eye contact
TARGET ORGANS:	N/A
EFFECTS OF OVEREXPOSURE:	N/A
HEALTH EFFECTS-	
EYE CONTACT:	May cause eye irritation, watering, redness.
INHALATION:	Harmful if inhaled.
SKIN CONTACT:	No known significant effects or critical hazards.
INGESTION:	Harmful if swallowed.
GHS CARCINOGENICITY:	Not classified as a carcinogen per GHS criteria. This product is not classified as a carcinogen by NTP, IARC, or OSHA.

<u>CAS NUMBER</u>	<u>DESCRIPTION</u>	<u>% WEIGHT</u>	<u>CARCINOGEN RATING</u>
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SECTION 12: ECOLOGICAL INFORMATION**COMPONENT ECOTOXICITY:** N/A**SECTION 13: DISPOSAL CONSIDERATIONS****WASTE DISPOSAL:**

Dispose of in accordance with local, state and federal regulations.

SECTION 14: TRANSPORTATION AND SHIPPING INFORMATION

Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any .

IATA: Not regulated.**SECTION 15: REGULATORY INFORMATION**

N/A

<u>COUNTRY</u>	<u>REGULATION</u>	<u>ALL COMPONENTS LISTED</u>
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SECTION 16: OTHER INFORMATION**KEEP OUT OF 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.