

Aquascape, Inc.
EcoSystems AquaClearer Extreme (Liquid)

SECTION I – IDENTIFICATION

Trade Name:	EcoSystems AquaClearer Extreme (Liquid)
Name and/or Family or Description:	Bacterial Concentrate
Chemical Name:	No IUC name for the mixture is known to exist.
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

SECTION II - COMPONENTS (Hazardous & Other)

INGREDIENT	CAS-No.	PERCENT	OCCUPATIONAL EXPOSURE LIMITS PEL (Units)	HAZARD
Enzymes*	N/A	N/A	None Established	Sensitization/Irritation

*May be present in trace or non standardized quantities.

This compound is not considered a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

Identity	Other Ingredients	CAS No.	WT%	Over 3%
Bacteria Complex with amylase and protease.		[68920-42-3]	@	Yes
Water		[7732-18-5]	@	Yes
Propylene glycol		[57-55-6]	@	Yes
Hydrolyzed protein		[9015-54-7]	@	No
@ = Among 5 most predominant compounds		N/A = Not applicable		

SECTION III - PHYSICAL DATA

State:	Liquid
Appearance:	Amber Liquid
Odor:	Fermented
Boiling Point:	213°F (101°C)
Melting Point:	N/A
Vapor Density(AIR=1):	2.52
Solubility In Water:	Infinitely Soluble
Storage Conditions:	Store tightly closed

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A
Ignition Temperature:	N/A

Flammable Limits:	N/A
Special Fire Fighting Procedure:	Full protective clothing and NIOSH-approved self-contained breathing apparatus should be worn.
Extinguishing Media:	Use Dry Chemical, CO ² , or Chemical Foam

The above data is supplied for the organic solvent portion of the product even though this product is composed of aqueous emulsion with greater than 85% water content and conditions for sustained fire would seem unlikely.

SECTION V - HEALTH HAZARD DATA

Effects Of Over Exposure: Possible allergic response or irritation in affected individuals to skin contact, or inhalation of aerosol from product.

Medical Conditions Prone To Aggravation By Over Exposure: Individuals with known allergies, particularly to feedstuffs or enzymes as well as those individuals with chronic respiratory disease or particular susceptibility thereto and those with asthmatic conditions should avoid contact with dusty conditions.

Primary Routes Of Entry: Ingestion and Inhalation, no appreciable entry known through intact skin although irritation possible, see above information concerning eye contact by surfactant component of product.

Carcinogenicity: This material is not considered to be a carcinogen by The National Toxicology Program, The International Agency For Research On Cancer, or The Occupational Safety & Health Administration. No specific information is available concerning chronic effects of exposure.

Emergency First Aid Procedures: Rinse mouth and throat with water if only mouth contact occurs. If ingested, give two glasses of water. Get medical attention. Do not give anything by mouth to an unconscious or convulsing person. Wash affected area of skin with soap and remove contaminated clothing.

In Case Of Skin Contact: Wash affected area of skin thoroughly with soap and water and remove and wash contaminated clothing and equipment before reuse. If skin irritation persists after washing, seek medical attention.

In Case Of Inhalation: Remove from area of exposure; if allergic symptoms occur in 0-48 hours, seek medical attention.

If Eye Contact Occurs: Rinse thoroughly with water for 15 minutes, lifting and lowering upper and lower eye lids, seek immediate medical attention.

Warning Statements: Caution! May cause eye or skin irritation. Store in cool dry place. Avoid contact with skin and clothing and excessive inhalation. Wash hands, clothing and equipment after use.

SECTION VI REACTIVITY DATA

Stability:	Stable
Polymerization:	Will not occur
Conditions To Avoid:	Excessive heat and contamination of any kind

Materials To Avoid: None Known

Hazardous Decomposition Products: No uniquely hazardous decomposition products are expected. If the organic portion is burned, as with any nitrogen containing organic material, oxides or nitrogen, carbon dioxide, and water can be produced. Partial combustion may produce, in addition to the above, soot and various oxides of carbon.

SECTION VII - SPILL, LEAK, AND DISPOSAL INFORMATION

Waste Disposal: Dispose of in a sanitary chemical landfill which complies with all local, state, and federal regulations.

Spill Or Leakage Procedures: Wear suitable clothing and protective equipment. Dam and recover or mop up bulk material without releasing aerosol and reuse wherever possible; where contaminated or unusable, absorb on suitable material and dispose of by landfilling.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

Permissible Concentrations: Not established.

Respiratory Protection: Wear suitable NIOSH-approved masks or respiratory protector where local ventilation exhaust is not available or aerosol situations are likely to result.

Ventilation: Provide ventilation to prevent ambient air entrainment of fugitive aerosol material.

Other Protective Equipment: Eye wash facility

Storage and Handling: Maintain good housekeeping, avoid creating aerosols. Keep out of direct sunlight and in cool dry place as deterioration of product and loss of activity may occur under above conditions.

Eye Protection: ANSI approved safety glasses with side protection or goggles. 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 Protection: Long sleeved shirt, trousers, safety shoes, and impervious gloves.

Hygienic Practices: Wash hands after handling, as well as any other affected skin areas. Avoid contact with food or food preparatory surfaces. If this occurs wash the area thoroughly with suitable detergent and water. Remove and wash contaminated clothing.

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storing: Maintain good housekeeping, avoid creating aerosols. For maintenance of product quality, store in dry cool (under 110° F) warehouse conditions.

KEEP OUT OF REACH OF CHILDREN

ALTHOUGH THE INFORMATION AND RECOMMENDATIONS SET FORTH IN THIS SHEET ARE BELIEVED TO BE CORRECT AS OF THE DATE HEREOF, AQUASCAPE DESIGNS MAKES NO REPRESENTATION AS TO THE COMPLETENESS OR ACCURACY OF SUCH INFORMATION AND RECOMMENDATIONS. AQUASCAPE DESIGNS SHALL IN NO EVENT BE RESPONSIBLE FOR ANY DAMAGES OF WHATSOEVER

NATURE DIRECTLY OR INDIRECTLY RESULTING FROM THE PUBLICATION OR USE OF OR RELIANCE UPON SUCH INFORMATION AND RECOMMENDATIONS. YOU ARE ENCOURAGED TO ADVISE ANYONE WORKING WITH OR EXPOSED TO SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

NO WARRANTY, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS OR OF ANY OTHER NATURE WITH RESPECT TO THE PRODUCT OR TO THE INFORMATION AND RECOMMENDATIONS HEREIN MADE HEREUNDER.

Aquascape, Inc. • 901 Aqualand Way • St. Charles, IL 60174 • 630-659-2000