

Aquascape, Inc.
EcoSystems EcoFloc

SECTION I – IDENTIFICATION

Trade Name:	Aquascape EcoSystems EcoFloc
Name and/or Family or Description:	Chitosan, Active Ingredient
Chemical Formula:	Poly N-Acetylglucosamine, Acetic Acid, & Balance Water
CAS No.:	9012-76-4, 64-19-7, 7732-18-5
DOT Proper Shipping Name:	NP Nursery Pro Pond Flocculent
Technical Shipping Name:	Chitosan Acetate
DOT Hazard Class:	Not Regulated
DOT Label:	None Required
DOT Placard:	None Required

SECTION II - COMPONENTS (Hazardous & Other)

Hazardous Ingredients: None Known

None of the compounds are considered carcinogens by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration nor are they known to be mutagenic.

Toxicology: Acute Oral, LD50 (Mice) >16g/kg

SECTION III - PHYSICAL DATA

State:	Liquid
Appearance:	Clear To Pale Yellow, Viscous Liquid, Pungent Odor
Odor:	Pungent Vinegar Odor
Boiling Point:	2117°F
Melting Point:	N/A
Specific Gravity:	1.0 – 1.1
pH:	3.9 – 4.1
Vapor Density:	Does Not Apply
Solubility In Water:	Appreciable
Storage Conditions:	Store Tightly Closed In Cool Dry Place

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A
Ignition Temperature:	N/A
Flammable Limits:	Non-Flammable
Special Fire Fighting Procedure:	In the form of a water solution, there is no danger of fire explosion.
Fire Fighting Media:	Use water or foam (not flammable in nature).

SECTION V - HEALTH HAZARD DATA

Effects Of Overexposure/Emergency & First Aid Procedures:

Eye Contact: Nursery Pro Pond Flocculent is mildly irritating to eyes. Rinse with water for 15 minutes to remove and call a physician.

Contact: ADI EcoFloc is not hazardous but cleansing the area after use is advisable.

Inhalation: If large amounts of products are inhaled remove to fresh air and call a physician.

Ingestion: If swallowed, no specific intervention is involved as the compound is not likely to be hazardous by ingestion. However, consult a physician if necessary.

Medical Conditions Prone To Aggravation By Exposure: 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.

Primary Routes Of Entry: Ingestion and Inhalation, no appreciable entry known through intact skin although irritation possible, see above.

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 And Health Administration.

Emergency And First Aid Procedures: Rinse mouth and throat with water if ingested. Wash affected area of skin with soap and remove contaminated clothing. 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 several minutes, seek medical attention if irritation occurs.

WARNING STATEMENTS

CAUTION! KEEP OUT OF REACH OF CHILDREN. MAY CAUSE SKIN OR EYE IRRITATION. STORE IN COOL DRY PLACE. AVOID CONTACT WITH SKIN AND CLOTHING AND EXCESSIVE INHALATION. WASH HANDS, CLOTHING AND EQUIPMENT AFTER USE.

SECTION VI – STABILITY AND REACTIVITY DATA

Chemical Family:	Natural Polysaccharide
Stability:	Stable
Polymerization:	Will not occur
Incompatibilities:	Incompatible with strong oxidants and strong bases
Decomposition:	Will not occur
Instability Conditions:	Stable at normal temperatures and storage conditions
Ecological Information:	Material is 100% bio-degradable
Decomposition Temperature:	211°F (Will Boil)
Decomposition Products:	H ₂ O and Chitosan Acetate Salt

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 Procedure: Wear suitable clothing and protective equipment. Mop up with soap and water; where contaminated or unusable, dispose of by landfilling.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

Permissible Concentrations: Not established.

Ventilation: Local exhaust ventilation preferred.

Other Protective Equipment: Eye wash facility

Storage and Handling: 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.

Eye 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 Protection: Long sleeved shirt, trousers, safety shoes, and 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 For Handling And Storage: Maintain good housekeeping, avoid creating aerosols. For maintenance of product quality, store in dry cool (under 110°F) warehouse conditions.

REGULATORY STATEMENTS

TSCA:	Not listed on the TSCA inventory
OSHA:	Not considered Hazardous
EPA:	Exempt From EPA
RCRA:	Responsibility of to determine at time of disposal whether material should be hazardous waste

KEEP OUT OF REACH OF CHILDREN

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