

Section 1: Product & Company Information

Product Identifier: AquaLife Barley Extract

Other Means of Identification

Product Number: None

Recommended Use and Restrictions on Use

Recommended Use: For commercial Use. Aquaculture.

Manufacturer / Importer / Supplier / Distributor Information

Company Name: Aquarium Life Support Systems
1737 Louisville Dr
Knoxville, TN 37921
USA

Information Telephone Number: 865/588-0108

Fax Number: 865/588-1976

Website: www.aqualifesupport.com

E-mail: cs@aqualifesupport.com

Emergency Phone Number: 865/588-0108

Section 2: Hazards Identification

GHS Hazard Classification(s)

Not classified as hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

Label Elements

Signal Word: No signal word

Hazard Symbol(s): No symbol

Hazard Statement(s): Not applicable

Precautionary Statements Not applicable

Disposal: Not applicable

Hazard(s) not otherwise classified (HNOC): None known

Section 3: Composition/Information on Ingredients

AquaLife Barley Extract is a proprietary mixture. Other ingredient identities and percentages are withheld as a trade secret.

Section 4: First Aid Measures

Inhalation

Move victim to fresh air. Seek medical attention.

Skin Contact

Wash thoroughly with soap and water. Seek medical attention if needed.

Eye Contact

In case of contact with eyes, rinse immediately with plenty of water for at least 20 minutes. Seek immediate medical attention if any adverse effects occur.

Ingestion

Rinse mouth with water and drink a glass of water. Further first aid not generally required. If in doubt, seek medical attention.

Section 5: Fire Fighting Measures

General Fire Hazards

Material is non-flammable.
Flash Point: None

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Clean up spilled material and dispose of in suitable containers.

Section 7: Handling and Storage

Precautions for Safe Handling

All employees who handle this material should be trained to handle it safely. Do not breath dust. Avoid all contact with skin and eyes. Use this product only with adequate ventilation. Wash thoroughly after handling. Avoid contact with water or moisture.

Conditions for Safe Storage, including any Incompatibilities

Keep container tightly closed when not in use. Store containers in a cool, dry location away from water, direct sun light, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals. Storage areas should be made of corrosion- and fire-resistant materials. Post warning and "NO SMOKING" signs in storage and use areas as appropriate. Use corrosion resistant structural materials, lighting, and ventilation systems I the storage area. Floors should be sealed to prevent absorption of this material. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged.

Section 8: Exposure Controls/Personal Protection

Control Parameters

Occupational Exposure Limits

The product does not contain any relevant quantities of hazardous materials with critical values that have to be monitored in the workplace.

VENTILATION AND ENGINEERING CONTROLS: Use adequate ventilation.

EXPOSURE LIMITS/GUIDELINES:

The following information on appropriate Personal Protective Equipment is provided to assist employ ers in complying with OSHA regulations found in 29 CFR Subpart I.

RESPIRATORY PROTECTION:

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If neces sary, use only

EYE PROTECTION:

Splash goggles or safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133 Standards.

HAND PROTECTION:

Wear neoprene or butyl rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA Standards.

BODY PROTECTION:

Use body protection appropriate for the task (e.g., apron, lab coat, overalls, etc.)

Section 9: Physical and Chemical Properties

Appearance:

Physical State: Solid, powder

Color: White

Odor: Odorless

Odor Threshold: Not applicable

pH: Not applicable

Melting Point/Freezing Point: Not applicable

Initial Boiling Point and Boiling Range: Not applicable

Flash Point: None.

Evaporation Rate (butyl acetate=1): Not applicable

Flammability (solid, gas): No data available.

Upper/Lower Limit on Flammability or Explosive Limits

Flammability Limit – Upper: Non-flammable.

Flammability Limit – Lower: Non-flammable.

Vapor Density (air =1): Non-flammable.

Solubility in water: Soluble.

Specific Gravity 1.0 - 1.1

Section 10: Stability and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical Stability

Avoid high temperatures, exposure to moisture and incompatible materials.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Avoid high temperatures, exposure to moisture and incompatible materials.

Incompatible Materials

No dangerous reaction known under conditions of normal use.

Hazardous Decomposition Products

None known.

Section 11: Toxicological Information

Acute toxicity:

LD/LC 50 values that are relevant for classification:

Primary irritant effect On skin:

May cause skin irritation.

Rinse skin after using product. On eyes: Avoid eyecontact. Rinse with copious amounts of water.

Sensitization:

No sensitizing effects known

Sub-acute to chronic toxicity:

No further relevant information available

Additional toxicological information:

None known

Carcinogenic categories

NTP (National Toxicology Program): None of the ingredients is listed

OSHA-Ca (Occupational Safety and Health Administration): No further relevant information available

Probable routes of exposure: Skin, eyes, inhalation, and ingestion Acute effects (acute toxicity, irritation and corrosivity):

Repeated Dose Toxicity: No further relevant information available

Section 12: Ecological Information

Aquatic toxicity:

No further relevant information available

Persistence and degradability:

No further relevant information available

Behavior in environmental system:

Bio-accumulative potential:

No further relevant information available

Mobility in soil:

No further relevant information available

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of product to reach water course or sewage systems.

Other adverse effects:

No further relevant information available

Section 13: Disposal Considerations

Disposal Instructions

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of unused material.

U.S. EPA WASTE NUMBER: Not applicable for wastes of this product.

Section 14: Transportation Information

US Department of Transportation (DOT)

This material is not regulated as a hazardous material for transport by the U.S. Department of Transportation in accordance with 49 CFR 172.101.

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

Section 15: Regulatory Information

UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The component of this product is NOT subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA THRESHOLD PLANNING QUANTITY: The component of this product has no specific Threshold Planning Quantity. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 pounds (4540 kg) therefore applies, per 40 CFR 370.20.

U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):

ACUTE: Yes; CHRONIC: No; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No

U.S. TSCA INVENTORY STATUS: The component of this product is listed on the TSCA Inventory.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Not applicable

OTHER U.S. FEDERAL REGULATIONS:

- The component of this product is not subject to the reporting requirements of CFR 29 1910.1000.
- The component of this product is not subject to the reporting requirements of Section 112® of the Clean Air Act.
- The component of this product is not a Class I or Class II ozone depleting chemical (40 CFR part 82).
- The component of this product is not listed under Table 1 as Regulated Substances, per 40 CFR, Part 68, of the Risk Management for Chemical Release Prevention.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):

The component of this product is not on the California Proposition 65 Lists.

Section 16: Other Information

Disclaimer

The information in this SDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.