

Section 1: Product & Company Information

Product Identifier: AquaLife Phosphate Remover

Other Means of Identification

Product Number: None

Recommended Use and Restrictions on Use

Recommended Use: For commercial use, ornamental fish aquaria.

Restrictions on Use: Not to be used as a pesticide.

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).

Physical Hazard(s): Not classified

Health Hazard(s): Not classified

Environmental Hazard(s): Not classified

Label Elements

Signal Word: No signal word

Hazard Symbol(s): No symbol

Hazard Statement(s): Not applicable

Precautionary Statements

General: Not applicable

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

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

Section 3: Composition/Information on Ingredients

Chemical Identity	CAS #	Weight %
Aluminum oxide	1344-28-1	100

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.

Indication of immediate medical attention and special treatment needed

Hazards

No data available.

Treatment

No data available

Section 5: Fire Fighting Measures

Fire Extinguishing Materials: Material is non-flammable.

Flash Point: Not Applicable

Autoignition Temperature: Not Applicable

Flammable Limits (in air by volume, %): Not Applicable

Lower Explosive Limit (LEL): Not Applicable

Upper Explosive Limit (UEL): Not Applicable

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. Keep unauthorized personnel away. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate area. Remove soiled clothing and laundry before reuse. Avoid all skin contact with the spilled material. Have emergency equipment readily available.

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. Have appropriate extinguishing equipment in the storage area, i.e. sprinkler system, portable fire extinguishers. Empty containers may contain residual particulates. Therefore, empty containers should be labeled with care. Do not cut, grind, weld, or drill near this container. Do not store this material in open or unlabeled containers. Limit quantity of material stored.

Section 8: Exposure Controls/Personal Protection

VENTILATION AND ENGINEERING CONTROLS: Use adequate ventilation to ensure exposure levels are maintained below the limits provided below.

EXPOSURE LIMITS/GUIDELINES:

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states, and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION:

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN 529:2005, or EU member states. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under U.S. Federal OSHA's Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may involve prolonged exposures to mists or sprays from this product.

EYE PROTECTION:

Splash goggles or safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian CSA Standard Z94.3-M1982, Industrial Eye and Face Protectors, or relevant European Standards, Australian Standards, or Japanese Standards.

HAND PROTECTION:

Wear neoprene or butyl rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR 1910.138, or relevant European, Canadian, Australian or Japanese Standards.

BODY PROTECTION:

Use body protection appropriate for the task (e.g., apron, lab coat, overalls, etc.) If necessary, refer to appropriate Standards of Canada, the European Union, Australia, or Japan.

Section 9: Physical and Chemical Properties

Appearance:

Physical State:	Solid, granulated
Color:	White
Odor:	Odorless
Odor Threshold:	No data available.
pH:	N/A
Melting Point/Freezing Point:	No data available
Initial Boiling Point and Boiling Range:	No data available
Flash Point:	No data available.
Evaporation Rate (butyl acetate=1):	No data available.
Flammability (solid, gas):	No data available.
Vapor Pressure:	No data available.
Vapor Density (air =1):	No data available.
Relative Density (water=1):	1.570 g/cm ³
Solubility(ies):	
Solubility in water:	Insoluble
Solubility (other):	No data available.
Specific Gravity	1.2-1.3 (H ₂ O = 1)

Section 10: Stability and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical Stability

This product is stable under normal conditions of use.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Avoid high temperatures, exposure to moisture and incompatible materials.

Incompatible Materials

This material is incompatible with strong acids, strong bases, strong oxidizers.

Decomposition Products

Decomposition products can include and are not limited to: Carbon dioxide, Alcohols, Ethers, Hydrocarbons, Polymer fragments.

Section 11: Toxicological Information

Information on routes of exposure

Ingestion:	No information available.
Inhalation:	May cause respiratory tract irritation.
Skin Contact:	May cause skin irritation.
Eye Contact:	May cause eye irritation.

Information on Toxicological Effects

Acute Toxicity (List all possible routes of exposure)

Oral

Magnesium Chloride Hexahydrate: LD50 (Rat) 8100 mg/kg

Magnesium Chloride Hexahydrate: LD50 (Mouse) 7600 mg/kg

Dermal

Nonirritating to skin.

Inhalation

No Data Available

Carcinogenicity

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

US. National Toxicology Program (NTP) Report on Carcinogens

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Germ Cell Mutagenicity

In Vitro

No mutagenic components identified.

In Vivo

No mutagenic components identified.

Section 12: Ecological Information

Ecotoxicity

This compound may be harmful to aquatic life in high concentrations, as it will generate excessive heat upon contact with water.

Acute Hazards to the Aquatic Environment

This product is not expected to cause harm to plants or animals.

Chronic Hazards to the Aquatic Environment

Fish

No data available.

Aquatic Invertebrates

No data available.

Toxicity to Aquatic Plants

No data available.

Persistence and Degradability

Biodegradation

There are no data on the degradability of this product.

BOD/COD Ratio

No data available.

Other Adverse Effects

No data available.

Section 13: Disposal Considerations

Disposal Instructions

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, EU Member States, Australia, and Japan. When disposing, consult to a certificated waste trader or local office if they deal with the waste. The used container should be recycled after cleaning or dispose of in compliance with related laws and local regulations. Contents should be removed completely when disposing of empty containers.

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

US Federal Regulations

Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)

This product or ingredient(s) are not listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)

No chemical(s) in this material are subject to the reporting requirements of CERCLA.

Clean Air Act (CAA), Section 112(r)

No chemical(s) in this material are subject to the reporting requirements of CAA.

Emergency Planning and Community Right-To-Know Act (EPCRA)

EPCRA 302 Extremely Hazardous Substance

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.

EPCRA 304 Emergency Response Notification

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.

EPCRA 311/312 Emergency and Hazardous Materials Reporting

Fire Hazard: No

Sudden Release of Pressure: No

Reactive: No

Acute (Immediate) Health Hazard: Yes

Chronic (Delayed) Health Hazard: No

EPCRA 313 Toxic Chemical Release Inventory (TRI) Reporting

This material does not contain any chemical(s) with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

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.