

Section 1: Product & Company Information

Product Identifier: AquaLife Pelleted Carbon

Other Means of Identification

Product Number: None

Recommended Use and Restrictions on Use

Recommended Use: For use in ornamental aquariums

Restrictions on Use: None

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)

This product is not classified as hazardous.

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

Substance

Chemical Identity	Common Name/Synonym(s)	CAS #	Weight %	Impurity or Stabilizing Additive
Carbon Black	Carbon	1333-86-4	>97	None

Section 4: First Aid Measures

General Information

In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation

In case of inhalation of dust, remove victim to fresh air and keep at rest and warm. If victim feels unwell, call a doctor or physician.

Skin Contact

Wash from the skin using mild soap and water. If symptoms develop, seek medical attention.

Eye Contact

In case of contact with eyes, rinse eyes thoroughly with large volumes of water keeping eyelid open. If symptoms develop, seek medical attention.

Ingestion

Rinse mouth with water and drink a glass of water. Further first aid not generally required. If unconscious, do not induce vomiting. If in doubt, contact a poison information center or a doctor.

Most important symptoms/effects, acute and delayed

Symptoms

Carbon black dust or powder may cause drying of the skin with repeated and prolonged contact. Short-term exposures to high concentration of carbon black may produce discomfort to the upper respiratory tract, resulting in coughing and wheezing.

Indication of immediate medical attention and special treatment needed

Hazards

No data available.

Treatment

No data available.

Section 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media :

Use water spray, foam, dry chemical or carbon dioxide.

Suitable (and Unsuitable) Extinguishing Media

Suitable Extinguishing Media

Unsuitable Extinguishing Media

No data available.

High pressure water stream.

Hazardous combustion Products

Carbon black (powder or pellet) burn slowly (molder) and may sustain combustion not visible as flames or smoke. Combustion gases (carbon monoxide, carbon dioxide, oxides of sulfur) may generate during combustion of carbon black. Dust clouds can be ignited on contact with intensely heated surfaces.

Special Protective Equipment and Precautions for Firefighters

Special Fire-Fighting Equipment Procedures

Firefighters should wear full protective clothing, including self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Refer to Section 8 for personal protective equipment. Avoid dust formation. Avoid breathing dust. Prevention of skin and eye contact. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Methods and Materials for Containment and Clean-Up

Spills should be cleaned immediately to prevent the spread of carbon black. Dry vacuuming is the recommended method to collect spilled carbon black. If it is necessary to clean a remote or small spill by dry sweeping, caution should be taken not to disperse carbon black into the air. Water sprays and wetting are not recommended for cleaning because water may cause spilled carbon black to disperse. Wet carbon black makes walking surfaces very slippery.

Environmental Precautions

Carbon black poses no significant environmental hazards. As a matter of good practice, minimize contamination of sewage water, soil, groundwater, drainage systems, or bodies of water.

Section 7: Handling and Storage

Precautions for Safe Handling

Install or use appropriate equipment and wear suitable protective apparatus described in Section 8. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid generating and breathing dusts or particulates generated by this product. Use in a well-ventilated location. Launder contaminated clothing before reuse.

Conditions for Safe Storage, including any Incompatibilities

STORAGE AND HANDLING PRACTICES: Store material in original containers. Store in a cool, dry area protected from environmental extremes. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks.

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.

Appropriate Engineering Controls

Use process enclosures and/or exhaust ventilation to keep airborne dust concentrations below the applicable occupational exposure limit. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment (PPE)

General Information

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. Have an eyewash fountain and safety shower available in the work area. Use good hygiene when handling this material, including changing and laundering work clothing after use.

Eye/Face Protection

Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

Skin Protection

Hand Protection

Wear appropriate chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing.

Respiratory Protection

Approved air purifying respirator for particulates should be used where airborne dust concentrations are expected to exceed occupational exposure limits. Use a positive-pressure, air supplied respirator if there is any potential for uncontrolled release, exposure levels are not known, or in circumstances where APRs may not provide adequate protection. Use of respirators must include a complete respiratory protection program in accordance with national standards and current best practices.

Industrial Hygiene Measures

Emergency eyewash and safety shower should be in close proximity as a matter of good practice. Wash hands and face thoroughly with mild soap before eating and drinking.

Section 9: Physical and Chemical Properties

Appearance:

Physical State:	Black Solid, pellet or powder
Color:	Black
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:	Not applicable
Evaporation Rate (butyl acetate=1):	Not applicable
Flammability (solid, gas):	Non-flammable
Vapor Pressure:	No data available.
Vapor Density (air =1):	No data available.
Relative Density (water=1):	Not applicable
Solubility(ies):	
Solubility in water:	Insoluble
Solubility (other):	Not applicable
Specific Gravity	Not applicable

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

Will not occur.

Conditions to Avoid

Prevent exposure to strong heating, high temperatures and open flames.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, oxides of sulfur.

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

The calculated ATE(mix) for this product is > 10,000. Product has negligible toxicity if swallowed.

Dermal

Prolonged skin contact is unlikely to result in absorption of harmful amounts. Typical for this family of materials.
LD50, Rabbit > 5,000 mg/kg Estimated.

Inhalation

No Data Available

Skin Corrosion/Irritation

May cause skin irritation

Serious Eye Damage/Eye Irritation

May cause eye irritation

Respiratory/Skin Sensitization

May cause respiratory tract irritation.

Carcinogenicity

The components of this product are not listed by U.S. FEDERAL OSHA, NTP, IARC, and CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

Germ Cell Mutagenicity

In Vitro

None known.

In Vivo

None known.

Reproductive Toxicity

None known.

Aspiration Hazard

Not classified.

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

No data are currently available on the effects of a release of this product to bodies of water.

Persistence and Degradability

Carbon black is neither photodegradable nor biodegradable.

Bioaccumulative Potential

Bioconcentration Factor (BCF)

Bioaccumulation of carbon black is not expected based on its insolubility in organic solvents and in water.

Mobility in Soil

Bioaccumulation of carbon black is not expected based on its insolubility in organic solvents and in water.

Other Adverse Effects

No data available.

Section 13: Disposal Considerations

Disposal Instructions

Product can be burned in suitable incineration plants or disposed of in a suitable landfill in accordance with the regulations issued by the appropriate federal, provincial, state and local authorities.

Contaminated Packaging

Handle contaminated packages in the same way as the substance itself. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks, and flames. Do not cut, puncture, or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed.

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 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

Hazardous Materials Identification System (HMIS®) Classification

Health Hazard: 1
Chronic Health Hazard: / *
Flammability: 0
Physical Hazard: 0
(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

National Fire Protection Association (NFPA 704) Rating

Health Hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0
Special: N/A W OX COR POI
(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

References

HSDB® - Hazardous Substances Data Bank

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