SAFETY DATA SHEET

Biochar Blend for Indoor Plants

Section I- Product and Company Identification

Product Name: Biochar Blend for Indoor Plants

Recommended Use: Soil Additive

Manufacturer Wakefield Biochar 1826 Clay Road Valdosta, Ga 31601 Email: info@wakefieldbiochar.com	Customer Service: (229) 278-2488 Monday- Friday 8am-5pm EST **Emergency Contact**: National Poison Control: 1-800-222-1222

Section II- Hazard Identification

Hazard Classification of Biochar Blend for Indoor Plants:

Flammable Wood – Category 5

Aspiration Hazard – Category 4

Carcinogenicity – Category 5

Skin Irritation – Category 5

Eye Irritation – Category 5

Chronic Aquatic Toxicity – Category 4

Specific Target Organ Toxicity (Single Exposure) – Category 5

Specific Target Organ Toxicity (Repeated Exposure) – Category 5

NOTE: Category numbers indicate hazard severity, with 1 being most hazardous and 5 being least hazardous.

Section III - Composition/Information on Ingredients

Ingredients	Concentration	CAS Number
Biochar (Wood-Based Carbon)	24.4%	16291-96-6
Plant-Based/wood-Based Compost	30.0%	NA741
Pine Bark Fines	35.0%	N/A
Worm Castings	10.0%	N/A

CarbonBoost™*	0.6%	Proprietary Blend

*CarbonBoost™ includes:

Rhizophagus intraradices (135 propagules/qt): Mycorrhizal fungi to improve root colonization and nutrient uptake.

Bacillus amyloliquefaciens (18 million CFU/qt, CAS 68038-60-8): Probiotic bacteria for healthier plant growth.

Bacillus megaterium (18 million CFU/qt, CAS 68038-67-5): Probiotic bacteria to support soil and plant health.

Section IV: First-Aid Measures

Effects of Overexposure. Exposure to biochar, compost, and microbial dust may cause skin, eye, or respiratory irritation, as well as allergenic responses or asthma.

Medical Conditions Prone to Aggravation. Individuals with asthma, bronchitis, or allergies may need to avoid further exposure to carbon or microbial dust.

Inhalation. Remove to fresh air. If symptoms persist, such as wheezing or breathing difficulty, seek medical advice.

Eye Contact. Flush with water to remove dust particles. If irritation persists, seek medical attention.

Skin Contact. Wash thoroughly with soap and water. If rash or persistent irritation occurs, seek medical advice.

PPE Recommendations. Use a P100 respirator to protect against microbial spores. Wear gloves and eye protection to minimize contact with biochar dust.

Section V: Fire-Fighting Measures

Flammability. Product is flammable near direct flame or at temperatures >700°C. Auto-ignition temperature: >700°C.

Unusual Fire and Explosion Hazards. Fine dust dispersed in air can create a potential dust explosion hazard. Minimum explosible concentration: 0.140 g/l.

Extinguishing Media. Water spray.

Fire-Fighting Equipment. Use full protective gear and SCBA with a full-face mask in positive pressure mode. Cool exposed containers with water and remove if safe to do so.

Section VI: Accidental Release Measures

Leak and Spill Procedures. Ensure the area is well-ventilated. Use a vacuum with a HEPA filter or wet methods to avoid dispersing microbial dust into the air.

Cautions. Avoid creating dust. Biochar may smolder if exposed to heat over 550°C.

Handle spills carefully to prevent airborne release of microbial spores or bacilli.

Section VII: Handling and Storage

Handling Procedures. Avoid dust release during handling.

Storage Requirements. Store below 80°C. Keep covered to limit dust. Avoid storing with oxidizing agents.

Section VIII: Exposure Controls/ Personal Protection

Gloves. Required to minimize skin contact with microbial components.

Respirator. Use a NIOSH/OSHA-approved particle respirator (P100) if dust levels are excessive.

Eye Protection. Wear safety glasses with side shields.

Ventilation. Utilize exhaust ventilation where possible.

Section IX: Physical and Chemical Properties

Physical State: Solid, particle size 0.1-2mm	**Appearance:** Black carbonaceous material	**Odor:** None
Melting Point/Range: N/A	**Boiling Point/Range:** N/A	**Flammability:**
pH: 8-9	**Vapor Pressure:** N/A	**Solubility:** Insoluble in water
Lower/Upper Explosion Limit: N/A	**Flash Point:** N/A	**Auto-Ignition Temperature:** N/A
Decomposition Temperature: N/A	**Kinematic Viscosity:** N/A	**Partition Coefficient N-Octanol/Water (Log Value):** N/A
Density and/or relative Density:	**Relative Vapor Density:**	**Particle Characteristics:**

N/A	N/A	N/A

Section X: Stability and Reactivity

Reactivity: Contact with strong oxidizers may result in fire.

Chemical Stability: Stable in closed containers at room temperature.

Conditions to Avoid: Incompatible materials, combustible materials.

Incompatible Materials: Strong oxidizers, sparks, heat, flame.

Hazardous Decomposition Products: Carbon oxides (CO, CO_2).

Section XI: Toxicological Information

Potential respiratory allergens may be present due to microbial components in CarbonBoost™. Inhalation of microbial dust may cause allergic reactions or respiratory irritation in sensitive individuals.

Section XII: Ecological Information

CarbonBoost™ includes live microorganisms (bacilli and mycorrhizae) which may influence local soil microbiomes if released in large quantities. There are no known significant negative environmental impacts, but careful handling is recommended to prevent unintended microbial release.

Section XIII: Disposal Considerations

Sweep or vacuum product. Incinerate or dispose of in accordance with all federal, state, and local regulations.

Section XIV: Transportation Information

Always ensure the load is covered to prevent dust loss. Wear proper PPE when tipping or unloading. Biochar is hygroscopic and can absorb liquids and gases.

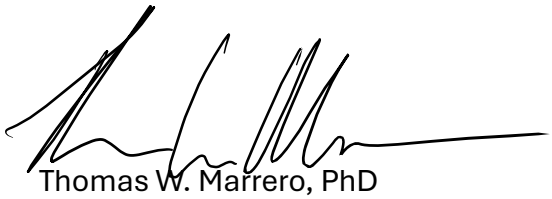
Section XV: Regulatory Information:

No additional information is available at this time.

Section XVI: Other Information

This document was prepared on March 6, 2025. It includes references to OSHA guidelines, manufacturer information, and other trusted sources. The intended use for this product is as a soil amendment.

The information provided in this Safety Data Sheet is based on available data and believed to be accurate as of the creation date. However, no warranty, express or implied, is made regarding its accuracy, completeness, or suitability for any particular purpose. The user is responsible for ensuring compliance with applicable laws and regulations.



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