



SAFETY DATA SHEET

100% Premium Organic Biochar

Section 1: Product and Company Identification

Product Name: 100% Premium Organic Biochar

Manufacturer: Wakefield BioChar
1826 Clay Road
Valdosta, GA 31601
(229) 278-2488

Emergency Phone: (229) 278-2488

Section 2: Composition/Information on Ingredients

Substance Name	Concentration	CAS Number
Biochar (Wood-Based Carbon)	100%	7440-44-0

Section 3: Hazard Identification

Classification	Category	Classification	Category
Flammable Wood	5	Skin Irritation	5
Aspiration Hazard	4	Eye Irritation	5
Carcinogenicity	5	Chronic Aquatic Toxicity	5
Specific Target Organ Toxicity (Single Exposure)			5
Specific Target Organ Toxicity (Repeated Exposure)			5

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

Section 4: First-Aid Measures

Effects of Overexposure. Exposure to carbon should not present a health hazard. Excessive carbon dust may cause skin, eye, and respiratory irritation, as well as allergenic responses or asthma.

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

Inhalation. Remove to fresh air. If symptoms persist, seek medical advice.

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Eye Contact. Flush with water. If irritation persists, seek medical attention.

Skin Contact. If irritation or rash occurs, seek medical advice.

PPE Recommendations. Wear long pants, sleeves, gloves, eye shields, and a P100 respirator to minimize exposure.

Section 5: 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 6: Accidental Release Measures

Leak and Spill Procedures. Ensure area is well-ventilated. Vacuum or sweep material and dispose of in suitable containers per local regulations.

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

Section 7: 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 8: Exposure Controls/Personal Protection

Gloves. Recommended to reduce skin contact, especially for sensitive individuals.

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 9: Physical and Chemical Properties

Physical State: Solid, particle size 0.1 – 2mm.

Appearance: Black carbonaceous material.

Odor: None.

pH: 8 – 9.

Boiling Point/Range: Not applicable.

Melting/Freezing Point: Not applicable.

Vapor Pressure: Not applicable.

Solubility: Insoluble in water

Section 10: 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, CO₂).

Section 11: Toxicological Information

No data is available for toxicological information at this time.

Section 12: Ecological Information

No data is available for ecological information at this time.

Section 13: Disposal Considerations

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

Section 14: Transport 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 15: Regulatory Information

No additional information is available at this time.

Section 16: Other Information

This document was prepared on January 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.