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		Doc Type:	SDS
		Revision Date:	0
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SAFETY DATA SHEET

Section 1: Identification

Product Name: Boomers Blend Biochar

Synonyms: Char, charcoal, carbon

Recommended Use: Soil Amendment, Soil Conditioner, Filtration, Dry Biofuel as Coal Substitute, Bio-based Aggregate, base material for production of Fabric, Carpet, Rubber, Plastic, Carbon Black

Company Information:

Vermitechnology Unlimited, Inc,

4010 Mountain Dr.

Monroe, NC 28112

www.vermitechnology.com – vermamejor@gmail.com

Emergency Information:

In event of emergency, call 911

Vermitechnology Unlimited, Inc. Emergency

Contact: 704-774-0745

For information about this SDS, use this department contact phone#: 704-774-0745

Section 2: Hazard(s) Identification

Hazard Classification:

Flammable Solid (Category 2)

Acute Toxicity, Inhalation (Category 5)

Serious Eye Damage/Irritation (Category 2B)

Aspiration Hazard (Category 2)

Self-reactive Substances (Type F)

Signal Word(s):

Warning

Hazard Statement(s):

H228

Flammable Solid

H333

May be harmful if inhaled

H320

Causes eye irritation

H305

May be harmful if swallowed and enters airways

H242

Heating may cause a fire

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Pictograms:



Precautionary Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking
P261 Avoid breathing dust
P281 Use personal protective equipment as required

Description of other hazards:

Material may be considered pyrophoric with moisture <10% at temperatures >400°C where material may smolder.

Dry material presents dust hazard, and appropriate personal protective equipment should be utilized to mitigate irritation associated with dust.

Section 3: Composition/ Information on Ingredients

MAIN INGREDIENT: Gasification of Wood Waste (recycled wood pallet waste)

INGREDIENT	PERCENT (% Wt)	ACGIH	ACGIH	OSHA
		<u>TLV-TWA</u>	<u>STEL</u>	<u>PEL</u>
Wood Chip Based Carbon	>85%	10 mg/m3	15 mg/m3	5 mg/m3
Wood Chip Based Ash	<5%	not listed		
Water	<10%	not listed		

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Section 4: First-Aid Measures

EFFECTS OF OVEREXPOSURE:

Exposure to carbon should not present a health hazard. Excessive carbon dust from handling Biochar may produce allergenic responses in a few sensitive individuals. Overexposure of Biochar dust may cause skin/eye and upper respiratory tract irritation along with allergenic responses and asthma.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

If an allergy/ such as dermatitis, asthma, or bronchitis develops/ it may be necessary to remove a sensitive worker from further exposure to carbon dust.

EMERGENCY AND FIRST AID PROCEDURES (wood dust only):

INHALATION: Remove to fresh air. If persistent irritation, severe coughing/ breathing difficulties, or rash occur, get medical advice before returning to work with Biochar

EYE CONTACT: Plush with water to remove dust particles from the eye. If irritation persists, get medical attention.

SKIN CONTACT: If a rash, or persistent irritation or dermatitis occur, get medical advice before returning to work where Biochar is present.

Use of appropriate personal protection equipment (PPE) can limit contact as needed – long pants, sleeves, gloves, eye shields, p100 respirator

Section 5: Fire-Fighting Measures

FLAMMABILITY CLASSIFICATION: NA-Autoignition Temperature >400°C

EXTINGUISHING MEDIA: Water Spray

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. The minimum explosible concentration is 0.140 g/l.

FIRE FIGHTING EQUIPMENT: Full protective equipment and self-contained breathing apparatus (SCBA) with a full-face mask operated in positive pressure mode

Section 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep up or vacuum up spills for recovery or disposal. A dust respirator may be required during clean up.

WASTE DISPOSAL:

Dispose in accordance with federal, state and/or local regulations

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Section 7: Handling and Storage

Storage should consider end-use of product for quality concerns. Proper personal protective equipment to prevent inhalation, skin, and eye contact should be utilized when handling material in storage. Store away from heat sources and prevent smoking or open flame near stored materials.

Section 8: Exposure Controls/Personal Protection

RESPIRATORY PROTECTION:

No protection required for handling biochar unless there is excessive dust associated. Use approved dust respirator.

P100 type ¼ face

Eye shields

Appropriate eye protection should be utilized

PROTECTIVE GLOVES:

Recommended to reduce skin contact.

OTHER PROTECTIVE EQUIPMENT:

No special clothing required unless excessive dust is associated with handling. Use clean body-covering work clothing.

VENTILATION:

Whenever possible/ local exhaust ventilation should be used to meet TLV requirements.

HYGIENIC PRACTICES:

Follow good hygienic practices.

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Section 9: Physical and Chemical Properties

Form: Typically black in color with particle sizes varying dependent upon handling and processing

Odor: Minimal odor that is of earthy and/or charcoal nature

Odor threshold: N/A

pH: 8-10

Melting point/melting range: N/A

Boiling point/boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Auto ignition temperature: >400°C

Danger of explosion: N/A

Vapor pressure: N/A

Vapor density: N/A

Relative density: 10-15lbs/ft³

Solubility in/Miscibility with water: Not Soluble

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Section 10: Stability and Reactivity

Reactivity: Contact with strong oxidizers may result in fire

Chemical stability: This product is 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

Acute toxicity: Not classified

Potential routes of exposure/potential health effects

Skin: Not classified

Eye: causes eye irritation

Inhalation: not classified

Ingestion: not classified

Carcinogenic effects: not classified

Mutagenic effects: not classified

Reproductive toxicity: not classified

Sensitization: not classified

Target organs: May cause respiratory irritation (single exposure)

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: No additional information available

Mobility: No additional information available

Biodegradation: No additional information available

Bioaccumulation: No additional information available

Section 13: Disposal Considerations (non-mandatory)

Dispose of contents/container in accordance with local, regional, national, international regulations

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Section 14: Transport Information (non-mandatory)

DOT regulations: Charcoal/Activated Carbon/Carbon

- **Hazard class:** 4.2, as with activated carbon, this product is not considered self-heating
- **Land transport ADR/RID (cross-border):** N/A
- **ADR/RID class:** N/A
- **Maritime transport IMDG:** N/A, not a marine pollutant

Air transport ICAO-TI and IATA-DGR: N/A

- **ICAO/IATA Class:** N/A

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 355 (extremely hazardous substances): No TPQ or RQ associated with this product

SARA Sec 311/312: Acute (yes); Chronic (no); Fire (no); Release of Pressure (no); Reactivity (no)

SARA Section 313 (specific toxic chemical listings): Not reportable under Sec 313 Title III and 40 CFR Part 372

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): Not considered an air pollutant with no ozone depleting substances

TSCA (Toxic Substances Control Act): All components of this product are listed on the TSCA Inventory

OSHA: None of the chemicals in this product are considered Highly Hazardous by OSHA

Section 16: Other Information

The information contained herein is accurate to the best of our knowledge. Vermitechnology Unlimited, Inc. makes no warranty with respect hereto said information and disclaims all liability from reliance therein. **SDS date of preparation/update:** 08/20/2026