

Material Safety Data Sheet (MSDS) for Wood-Based Compost & Biochar Blend

SECTION 1: IDENTIFICATION

Product Name: Wakefield Compost + Biochar with Mycorrhizal Fungi

Chemical Formula: Not applicable (Mixture)

Synonyms: Organic Soil Amendment, Composted Wood Blend

CAS Number: Not applicable (Mixture)

Manufacturer/Supplier Information:

Wakefield Agricultural Carbon LLC

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Section 2: Hazard Identification

Classification:

This product is intended for use as a soil amendment and is generally considered safe when used as directed. However, some precautions should be observed:

Potential Health Effects

- **Inhalation:** The product is not expected to produce harmful effects under normal handling and use. However, avoid inhaling dust or airborne particles.
- **Skin Contact:** Limited risk of irritation. Wash hands and exposed skin thoroughly after handling.
- **Eye Contact:** Minimal risk of irritation. If the product comes into contact with the eyes, flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** The product is not intended for ingestion. If accidentally swallowed, seek medical attention immediately.

Environmental Hazards:

The compost is biodegradable and poses no significant environmental hazards when used appropriately. Avoid excessive runoff into water bodies to prevent potential nutrient enrichment.

Section 3: Composition/Information on Ingredients

Ingredients:

- 80% Wood-Based Compost with Mycorrhizal Fungi
- 20% Wood-Based Biochar

Section 4: First Aid Measures

- Inhalation: Remove to fresh air. If breathing difficulties persist, seek medical attention.
- Skin Contact: Wash with soap and water. If irritation occurs, seek medical attention.
- Eye Contact: Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- Ingestion: Do not induce vomiting. Rinse mouth and seek immediate medical attention.

Section 5: Firefighting Measures

Suitable Extinguishing Media:

Use water spray, foam, dry chemical, or carbon dioxide as appropriate for surrounding fire.

Specific Hazards Arising from the Product:

The compost and biochar is not flammable. In case of fire involving compost biochar, some smoke and carbon monoxide may be produced.

Protective Equipment and Precautions for Firefighters:

Wear self-contained breathing apparatus (SCBA) and full protective clothing when extinguishing a fire involving the compost.

Section 6: Accidental Release Measures

Containment:

Avoid creating airborne dust. Use dampened materials to prevent dust generation.

Cleanup:

Scoop or shovel the material into appropriate containers. Dispose of in accordance with local regulations.

Section 7: Handling and Storage

Handling:

Avoid generating dust. Wear appropriate personal protective equipment (PPE) such as gloves and safety goggles when handling.

Storage:

Store in a dry, cool, and well-ventilated area away from direct sunlight. Keep away from incompatible materials.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Ensure adequate ventilation to control airborne dust.

Personal Protective Equipment (PPE):

Wear gloves and safety goggles when handling the product.

Respiratory Protection:

If dust is generated during handling, wear an N95 respirator or equivalent.

Eye/Face Protection:

Wear safety goggles or a face shield when handling the product.

Section 9: Physical and Chemical Properties

Appearance:

Dark brown, crumbly material

Odor:

Earthy, characteristic compost smell

pH:

Neutral to slightly acidic

Solubility:

Insoluble in water

Section 10: Stability and Reactivity

Stability:

The product is stable under normal conditions of use and storage.

Incompatibility:

Avoid contact with strong acids, oxidizing agents, or other incompatible materials.

Section 11: Toxicological Information

The compost and biochar is not expected to be toxic under normal handling and use. However, specific toxicological data may not be available for this mixture.

Section 12: Ecological Information

Compost is biodegradable and poses no significant ecological hazards when used appropriately.

Section 13: Disposal Considerations

Dispose of the product and its container in accordance with local, regional, and national regulations.

Section 14: Transport Information

Wood-based compost and biochar is not regulated for transportation.

Section 15: Regulatory Information

Ensure compliance with all applicable local, regional, and national regulations regarding the use and handling of compost.

Section 16: Other Information

Date of Preparation: July 26, 2023

Disclaimer:

The above information is your notice as to the Right-to-Know listings of the stated products. The information contained herein is based on data available at this time and is believed to be accurate to the best of our knowledge. As of July 26, 2023, this is the most up-to-date information Wakefield Agricultural Carbon LLC can give. Wakefield Agricultural Carbon LLC will do everything in its power to ensure that updated versions of this MSDS is distributed to the appropriate customers, but ultimately, the responsibility of obtaining up-to-date SDS belongs to the user. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, no responsibility is assumed for the results or damage of its use.