

SAFETY DATA SHEET (SDS)

Compost Blend

Prepared for laboratory proficiency testing and compost characterization purposes.
(Composted Woody Materials, Municipal Biosolids, Industrial Sludge, and Agri-Food Residuals)

SECTION 1: IDENTIFICATION

Product Identifier: Compost Soil Amendment Blend

Product Code: MAG 260711

Recommended Use: Organic soil amendment, soil conditioner, land reclamation material, landscaping material, horticultural growing media component, and agricultural nutrient source.

Restrictions on Use: Not intended for human or animal consumption. Not for pharmaceutical, cosmetic, or food applications.

Manufacturer/Supplier: BIOGENIE

Address: 415, chemin Plaisance, C. P. 448 Saint-Henri-de-Levis, Quebec G0R 3E0

Telephone: 418-882-2736

Emergency Telephone: 800-463-1030

SECTION 2: HAZARD IDENTIFICATION

This product is not classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200) or WHMIS 2015 under normal conditions of use.

Potential Hazards:

- Dust generated during handling may cause mechanical irritation to eyes, skin, nose, and respiratory tract.
- Prolonged exposure to airborne dust may aggravate pre-existing respiratory conditions.
- Biological materials naturally present in compost may cause allergic reactions in sensitive individuals.

Signal Word: None Required

Hazard Statements:

- May cause mild eye irritation.
- May cause mild skin irritation.
- Dust may cause respiratory irritation.

Precautionary Statements:

P261 Avoid breathing dust.

P264 Wash hands thoroughly after handling.

P280 Wear appropriate eye protection and gloves.

P271 Use only in well-ventilated areas.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture containing composted woody materials, composted municipal biosolids, composted industrial sludge, and composted agri-food processing residuals. No ingredients are known to be present at concentrations requiring disclosure as hazardous substances under OSHA, WHMIS, or GHS regulations.

SECTION 4: FIRST-AID MEASURES

Inhalation: Move affected person to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash thoroughly with soap and water.

Eye Contact: Flush eyes with water for at least 15 minutes.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting unless directed by medical personnel.

Most Important Symptoms: Eye irritation, skin irritation, coughing, sneezing, and respiratory discomfort from dust exposure.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide.

Specific Hazards: Dry organic material may smolder or burn. Airborne dust concentrations may create combustible dust hazards.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, smoke, and particulates.

Protective Equipment: Self-contained breathing apparatus and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid dust generation. Wear appropriate PPE. Ensure adequate ventilation. Prevent large releases into waterways. Sweep, shovel, or vacuum material into suitable containers.

SECTION 7: HANDLING AND STORAGE

Avoid generating excessive dust. Wash hands after use. Store in a cool, dry, well-ventilated area and protect from excessive moisture.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA PEL Total Dust: 15 mg/m³ TWA

OSHA PEL Respirable Dust: 5 mg/m³ TWA

ACGIH Inhalable Particulates: 10 mg/m³ TWA

ACGIH Respirable Particulates: 3 mg/m³ TWA

Eye Protection: Safety glasses or splash goggles.

Hand Protection: Protective work gloves.

Respiratory Protection: NIOSH-approved respiratory protection if needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark brown to black granular material

Odor: Earthy, musty

Physical State: Solid

pH: 6.0–8.5

Flammability: Combustible when excessively dry

Auto-Ignition Temperature: >200°C (>392°F)

Specific Gravity: Approximately 1.5–2.0

Solubility: Insoluble in water

SECTION 10: STABILITY AND REACTIVITY

Stable under normal handling and storage conditions. Avoid excessive heat, open flames, sparks, dust accumulation, and prolonged moisture exposure. Incompatible with strong oxidizers, strong acids, and strong bases.

SECTION 11: TOXICOLOGICAL INFORMATION

No known acute toxicity hazards under normal conditions. Dust may cause mechanical eye irritation and mild skin irritation through prolonged contact. Not classified as a respiratory or skin sensitizer.

SECTION 12: ECOLOGICAL INFORMATION

Not expected to be acutely toxic to aquatic organisms. Organic fraction is biodegradable under aerobic conditions. Excessive application may contribute to nutrient loading of surface waters.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of material in accordance with federal, state, provincial, and local regulations. Beneficial land application, composting, or reuse as a soil amendment is recommended where appropriate.

SECTION 14: TRANSPORT INFORMATION

UN Number: Not regulated

Transport Hazard Class: Not regulated

Packing Group: Not regulated

Environmental Hazards: Not regulated

SECTION 15: REGULATORY INFORMATION

Evaluated in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200. Not listed under CERCLA or SARA Title III. Not classified as a hazardous product under WHMIS 2015.

SECTION 16: OTHER INFORMATION

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Prepared By: Magruder PT Program Chair

Disclaimer:

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