1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: EcoPerk - Grounds For Growth

EPA No: Not applicable

Product Identity: Bio Specialty soil inoculant

Supplier/Manufacturer
Lebanon Seaboard Corporation
1600 East Cumberland Street
Lebanon PA 17042
Tel: 1-800-233-0628 USA
(717-273-1685) INTL Supplier Email: customerservice@lebsea.com

Emergency telephone numbers:
Chemtrec (Spill) 1-800-424-9300 Prosar (Health) 888-208-1368

SECTION 2. HAZARDS IDENTIFICATION

Classification of Substance or Mixture

GHS-US classification Not classified

Label Elements

GHS-US Labeling No labeling applicable

Other Hazards

Other hazard which do not result in classification: Coffee and starch dust is not expected in coffee pellet form. If user activity generates coffee and/or starch dust, it may cause irritation of the eye, skin, or respiratory tract.

Unknown Acute Toxicity (GHS US) Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
Spent Coffee Grounds	---	90% - 100%
Starch	9005-25-8	0% - 10%

Concentrations are expressed in % volume/volume

SECTION 4. FIRST-AID MEASURES

General Coffee pellets are considered a benign product for most people. However, individuals with a propensity for allergic reactions may experience reactions and should contact their physician to establish the best remedial action to take if reaction occurs.

Inhalation Coffee pellets are unlikely to be inhaled. Remove to fresh air if respiratory symptoms are experienced. Seek medical help if persistent irritation, severe coughing, breathing difficulty or other serious symptoms occur.

Skin Contact Coffee pellets are not normally irritating to the skin. Wash with soap. If skin irritation occurs, get medical attention or advice.

Eye Contact Irrigate immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical help.

Ingestion If swallowed, rinse mouth and drink plenty of water. Call a doctor or Poison Control immediately.

Most Important Symptoms and Not expected to present a significant hazard under anticipated conditions of

Effects, Acute and Delayed normal use. If user operations generate coffee or starch dust, it may cause mechanical irritation of the eyes, skin, and respiratory system. Dust can cause physical obstructions in the nasal passages, resulting in dryness of nose, dry cough, and sneezing.

Immediate Medical Attention and Special Treatment Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media Apply water or all-purpose-type foams by manufacturers' recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

Unsuitable Extinguishing Media High pressure water jet and CO2 blast. Do not disperse in air, as this could lead to a dust explosion.

Specific Hazards Arising from the Product Coffee pellets are a fuel and by nature are prone to catch fire when exposed to heat or fire. Product as shipped is not defined as combustible dust. Incomplete combustion may form carbon monoxide.

Reactivity None known under normal conditions of use.

Autoignition Temperature: Variable [typically 250-260 °C]

Special Protective Equipment and Precautions for Fire-Fighters: No special equipment anticipated. Beware of potential combustible dust explosion hazard.

Unusual Fire and Explosion Hazards: Not expected to present a significant hazard under anticipated conditions of normal use. If user operations generate coffee or starch dust, it may pose (depending on moisture content, particle diameter and concentration) a flash fire or deflagration hazard. If suspended in air in an enclosure or container and ignited, an explosion may occur due to the development of internal pressure causing rupture. An airborne concentration of 50-100 grams of dust per cubic meter of air is often used as the Minimum Explosible Concentration (MEC) for coffee and starch dusts. Conduct regular housekeeping inspections and cleaning to prevent excessive dust accumulations. Reference NFPA 652 "Standard on the Fundamentals of Combustible Dust".

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Ensure adequate ventilation.

Emergency Precautions: No special emergency procedures required

Environmental Precautions: No special environmental precautions required

Methods and Material for Containment and Cleaning Up:

Sweep or vacuum up for recovery and disposal. Avoid creating dusty conditions whenever feasible. Maintain good housekeeping to avoid accumulation of coffee and starch dust on exposed surfaces. Use approved filtering facepiece respirator ("dust mask") or higher levels of respiratory protection as indicated and goggles where ventilation is not possible and exposure limits may be exceeded.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling: Protect coffee pellets from contact with water and moisture. Store in well-ventilated, cool, dry place away from open flame.

Conditions for Sale Storage: Protect coffee pellets from exposure to ignition sources which may set off a fire. Store in well-ventilated, cool, dry place away from open flame.

Incompatibilities: Oxidizer. Excessive moisture. Sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Occupational Exposure Limits Values			
NAME	Type	Spent Coffee Grounds	Starch
OSHA PEL	Respirable Dust	5 mg/m^3	5 mg/m^3
	Total Dust	15 mg/m^3	15 mg/m^3
ACGIH TLV	Respirable Particulates	3 mg/m^3	-
	Inhalable Particulates	10 mg/m^3	-
NIOSH REL	Respirable Dust	-	5 mg/m^3
	Total Dust	-	10 mg/m^3

*Coffee dust is regulated by OSHA as "Particulates Not Otherwise Regulated" (PNOR), which is also referred to as "nuisance dust".

Exposure Controls:

Personal Protective Equipment: Not normally required when handling coffee pellets.

Hand Protection: Cloth, canvas, or leather gloves are recommended to prevent direct contact and to minimize potential slivers and mechanical irritation from handling product.

Eye Protection: Approved goggles or tight fitting safety glasses are recommended when excessive exposures to dust may occur (e.g. during clean up) and when eye irritation may occur.

Skin and Body Protection: Wear protective clothing.

Respiratory Protection: Avoid actions that cause coffee and starch dust exposure. Work in well-ventilated area. Use filtering facepiece respirator ("dust mask") tested and approved under appropriate government standards such as NIOSH (US), CSA (Canada), CEN (EU), or JIS (Japan) where exposure limits may be exceeded or symptom relief. Use respiratory protection in accordance with jurisdictional regulatory requirements similar to the OSHA respiratory protection standard 29CFR 1910.134.

Other Information: Follow good hygienic and housekeeping practices. Clean up areas where coffee dust settles to avoid excessive accumulation of this combustible material. Minimize compressed air blowdown or other practices that generate high airborne-dust concentrations.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Light brown to dark brown substance

Odor	Light coffee odor to no odor
Odor Threshold	Not applicable
pH	4-6
Melting Point/Freezing Point	No data available
Boiling Point	No data available
Flash Point	Not applicable
Evaporation Rate	No data available.
Flammability (solid, gas)	Flammable
Upper/Lower Explosive Limits	90 to 100 grams of dust per cubic meter of air
Vapor Pressure	Not applicable
Vapor Density (air=1)	Not applicable
Relative Density (water=1)	No data available
Density	39 lbs/cu ft
Solubility	No data available
Partition Coefficient, n-Octanol/Water (Log Kow)	No data available
Auto-ignition Temperature	250-260 °C
Decomposition Temperature	No data available
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity None known

Chemical Stability Stable at normal conditions

Possibility of Hazardous Reactions Will Not Occur

Conditions to Avoid Avoid all sources of ignition, dust generation, and contact with wet or moist environments.

Incompatible Materials Strong oxidizing agents.

Hazardous Decomposition Products Thermal decomposition products are primarily carbon monoxide, carbon dioxide, and methane.

Sensitivity of Static Discharge: Airborne coffee and starch dust may be ignited by a static discharge depending on the airborne concentrations, particle size and moisture content.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

_√_ Inhalation _√_ Skin contact _√_ Eye contact ___ Ingestion

Acute Toxicity:

LC50 (Inhalation) (4/rats) There is no data available

LD50 (oral) There is no data available

LD50 (dermal) There is no data available

Skin Corrosion/Irritation: There is no data available, pH: 4-6

Serious Eye Damage/Irritation: There is no data available, pH: 4-6

Respiratory and/or Skin Sensitization: There is no data available

STOT (Specific Target Organ Toxicity)

Single Exposure: There is no data available

Repeated Exposure: There is no data available

Carcinogenicity: There is no data available

Reproductive Toxicity

Development of Offspring: There is no data available

Sexual Function and Fertility: There is no data available

Effects on or Via Lactation: There is no data available

Germ Cell Mutagenicity: There is no data available

Additional Information: There is no data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: No known significant effects or critical hazards.
Persistence and Degradability: Inherently biodegradable.
Bioaccumulation Potential: No known significant effects or critical hazards.
Mobility in Soil: No known significant effects or critical hazards.
Other Adverse Effects: No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

The waste of this product is not defined as hazardous. Dispose of all waste in accordance with the regulations of the environmental authority having jurisdiction.

SECTION 14. TRASPORT INFORMATION

Not regulated under Canadian Transportation of Dangerous Goods (TDG) regulations.
Not regulated under US Department of Transportation (DOT) Regulations.
Not regulated under International Maritime Dangerous Goods (IMDG) Regulations.
Not regulated under International Air Dangerous Goods (ICAO-TI / IATA-DGR) Regulations.
Environmental Hazards: None

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Special precautions for Transport: None

SECTION 15. REGULATORY INFORMATION

This product has been classified and the SDS has been developed according to the Hazardous Products Regulation.

United States
EPCRA – SARA Title III Classification
Section 302 Extremely Hazardous Substances: Not applicable
Section 311/312 Hazard Classes: Not applicable
Section 313 Toxic Chemicals: Not applicable

International regulations

CANANDA	No additional information available
EU-Regulations	No additional information available
National Regulations	No additional information available

CERCLA Regulatory

Not applicable

RCRA Hazardous Waste Classification (40 CFR 261)

Not applicable

Toxic Substances Control Act (TSCA)

All ingredients are either listed on the TSCA Inventory or are exempt from listing

OSHA: Coffee products are not hazardous under the criteria of the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, coffee dust generated by grinding and drying activities is considered hazardous.

California Proposition 65 Components

These products do not contain any chemical known to the State of California to cause cancer, birth defects.

16. OTHER INFORMATION

The information provided in this material safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.