



## MATERIAL SAFETY DATA SHEET

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### SECTION I. IDENTIFICATION

Retail Bagged and Bulk Potting Mixes, Soil Amendments

Product Names:

Empire Builder Producer's Blend Indoor/Outdoor Grower's Mix, Dutchman Brand Ultra Premium Expanded Coco-Coir, Big City Hydro-Mix Premium Indoor Blend, Buckaroo Brand Natural & Organic Worm Castings, Victory Brand Superior Garden Mix

### SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Component:

Nuisance particulates of variable composition

Exposure Limits:

	OSHA PEL	ACGIH TLV
Respirable mass	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Total mass	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

May Contain:

lignite, coco coir, sphagnum peat moss, composted forest humus, worm castings, coco chips, lava rock, pumice, perlite, gypsum, langbeinite, sea bird and bat guano, fish bonemeal, feather meal, bonemeal, limestone, greensand, alfalfa meal, kelp meal, glacial rock dust, azomite, soybean meal, and rice bran, and other inorganic and organic compounds in low concentrations.

### SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

<u>Appearance and Odor:</u>	Brown, fibrous, growing media, earthy odor
<u>Boiling Point:</u>	Not applicable
<u>Vapor Pressure:</u>	Not applicable
<u>Solubility in Water:</u>	Not applicable
<u>Specific Gravity (H<sub>2</sub>O)=1):</u>	Bulk density of 0.15 g/cc
<u>Melting Point:</u>	Not applicable
<u>Evaporation Rate:</u>	Not applicable

### SECTION IV. FIRE AND EXPLOSION HAZARD DATA

<u>Flash Point:</u>	Not applicable
<u>Flammable Limits:</u>	Not applicable
<u>Extinguishing Media:</u>	Any
<u>Special Fire Fighting Procedures:</u>	None, Caution, burning may continue inside bags or piles after surface fire is out. Break bags or separate pile to assure that the fire is extinguished. The thermal decomposition products are those commonly observed with natural products such as wood or other vegetative matter.
<u>Unusual Fire and Explosion Hazards:</u>	None

### SECTION V. REACTIVITY DATA

<u>Stability:</u>	Stable
<u>Conditions to Avoid:</u>	None known
<u>Incompatibility:</u>	None known
<u>Hazardous Decomposition or byproducts:</u>	Does not occur except during pyrolysis. See Section IV.
<u>Hazardous Polymerization:</u>	Will not occur

## SECTION VI. HEALTH HAZARD DATA

<u>Routes of Entry:</u>	Inhalation, open wounds, eyes
<u>Health Hazards:</u>	Nuisance dust, may contain peat, Perlite (CAS #93763-70-3), Vermiculite (CAS #1318-00-9), bark, sand, peanut hulls, and Calcium Sulfate (CAS #10101-41-4) Dolomitic Limestone, acrylic polymers in primary forms (CAS #3906-90-50-00).
<u>Carcinogenity:</u>	None known
<u>Effects of Exposure:</u>	Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism, irritate mucous membranes and make lungs more vulnerable to respiratory disease.
<u>Emergency and First Aid Procedures:</u>	If inhaled, provide fresh air. If eye irritation occurs, flush with water. Keep open wounds covered and clean as suggested by any good program of hygiene.

## SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND USE

<u>Steps to be Taken in Case Material is Released or Spilled:</u>	Use methods to clean spill which avoid creating airborne dust. Remove for disposal or incorporation into soil or garden.
<u>Waste Disposal Method:</u>	According to EPA 40 CFR261.3, waste of this product is not defined as hazardous. Dispose of all waste in accordance with federal, state and local regulations.
<u>Precautions to be Taken in Handling and Storing:</u>	If excessive dust is created avoid breathing dust by using adequate ventilation and/or using NIOSH or MSHA approved respirator for nuisance dust of this type. Breathing dust may be harmful to your health.
<u>Other Precautions:</u>	Protective eyewear should be worn where dust levels are high enough to cause irritation.

## SECTION VIII. CONTROL MEASURES

<u>Respiratory Protection:</u>	If dust is created use NIOSH or MSHA approved respirator for nuisance dust of this type.
<u>Ventilation:</u>	Local exhaust advisable if excessive dust is created.
<u>Protective Gloves:</u>	Not normally necessary but suggested in cases of open wounds that are not appropriately protected.
<u>Eye Protection:</u>	Protective eyewear should be worn where dust levels are high enough to cause irritation.

Other Protective Clothing or Equipment: Normal work clothing

Work/Hygienic Practices: NIOSH or MSHA approved respirator, eye protection and ventilation under conditions where excessive dust is created. Open wounds should be kept clean and suitably protected.

#### SECTION IX. SUPPLEMENTAL INFORMATION

These materials are made from natural products and may contain naturally occurring microorganisms. Proper precautions are advised to prevent infection of open wounds, inhalation of excessive amounts of dust and eye irritation. The proper hygiene practices necessary to prevent health hazards from any naturally occurring substance such as soil, bark, etc., should be observed.

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