

# Vital Earth's®

## MANA Mix

### Material Safety Data Sheet

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**I. PRODUCT NAME/TRADE NAME:**      **Emergency Telephone Number:**

Vital Earth's® MANA Mix      503-493-2784

Sizes: Sample, 1 lb/0.4536 kg, 1.5 cu. ft./42.45 L,      **Information Telephone Number:**

2 yd. tote/ 1528.2 L, Bulk 1 yd.+ /764.1 L+      503-493-2784

EPA REGISTRATION #: None      Date Prepared:

10/01/09

**CHEMICAL NAME/COMMON NAME:**

100% Natural and Organic Potting Soil/100%

Natural and Organic Potting Soil

**WHIMIS Classification of Product:**

Is not a controlled product and is not covered  
under Hazardous Product Act and WHIMIS.

Soil Treatment, Soil Builder, Soil Media,

**Product use:**

Growing Media

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### II. HAZARDOUS INGREDIENTS

Ingredient	%	CAS #	LD50	LC50	OSHA PEL	ACGIH TLV
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Nuisance Dust	NA	NA	NA	NA	Total: 15 mg/m <sup>3</sup>	Total: 10 mg/m <sup>3</sup>
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					Respirable: 5 mg/m <sup>3</sup>	Respirable: 3mg/m <sup>3</sup>
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- This product is not considered to be a hazardous in accordance with the OSHA Hazard Communication Standard 29 CFR 1910.1200, Health Hazard. The product is classified by ACGIH as a "Nuisance Dust" or "Particles Not Otherwise Classified" (PNOC). See product label for ingredients about product specific information.

May contain: Natural Sphagnum Peat, natural aggregates such as powdered glacial rock (ultra fine)(CAS#140808-60-7), Perlite (CAS #93763-70-3), Coir Peat, organic compost, organic earthworm castings, worm casting bedding, pumice, and other organic compounds in low concentrations.

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### III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	NE	Specific Gravity (H <sub>2</sub> O=1):	NA
Vapor Pressure (mmHg):	NA	Melting Point:	NA
Vapor Density (Air = 1):	NE	Freezing Point:	NA
% Volatiles by vol.:	NE	Evaporation Rate (Butyl Acetate + 1):	NA
Solubility in Water:	Not Soluble	Density:	34-40 lb/cu. ft. or 612-720 g/L
Appearance and Odor:			

Brown and black organic  
material with white  
stones, earthy odor

Flash Point/Method: NA

pH: 6.5-6.9

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#### IV. FIRE AND EXPLOSION HAZARD DATA

Flash point Flammable Limits: NA

(Method Used): NA

LEL: NA

Extinguishing Media: Water, fog or spray

UEL: NA

Hazardous Combustion

Conditions of

Products: NA

Flammability: NA

Sensitivity to

Mechanical Impact: NA

Sensitivity to Static

Discharge: NA

Auto Ignition (°C): NA

Special Fire Fighting Procedures: 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.

Unusual Fire and Explosion Hazards: NA

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## V. REACTIVITY DATA

Chemical Stability: Stable

Incompatibility (Products to Avoid): NA

Hazardous Decomposition or Byproducts: High temperatures or fire may produce irritating gases and vapors.

Hazardous Polymerization: NA

Condition to Avoid: See label. Keep away from heat, sparks and open flames.

Reactivity, and under what conditions: NA

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## **VI. TOXICOLOGICAL PROPERTIES/HEALTH HAZARD DATA**

### Route(s) of Entry

Skin: Wear proper personal protective equipment to reduce skin exposure.

Ingestion: Do not ingest. Wash hands and face thoroughly before eating, drinking or smoking.

Inhalation: Wear proper respiratory protection for the exposures encountered.

Eye Contact: Can cause eye irritation. Wear proper eye protection to reduce exposure. If contact occurs, flush eyes with water for a minimum of 15 minutes.

Health Hazard (Acute or Chronic): Nuisance dust, may contain sphagnum peat, coir peat, Perlite (CAS# 9763-70-3).

Carcinogenicity: IARC monographs    NTP    OSHA

None Known    None Known    None  
Known

Signs and Symptoms of Exposure:

NA

Irritancy of product:

NA

Sensitization to Product:

NA

Teratogenicity:

None

Reproductive Toxicity:

None

Mutagenicity:

None

Synergistic Products:

None

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## **VII. PRECAUTION FOR SAFE HANDLING AND USE**

Personal Protective Equipment

Respiratory:

When dust is present, use a NIOSH/MSHA approved half- or a full-face respirator with a High Efficiency Particle Aerosol (HEPA) cartridge

Skin:

Wear proper personal protective equipment to reduce skin exposure.

Eyes: Use appropriate eye protection e.g.: goggles, to minimize contact with dust.

Other: Wear sturdy work clothing and footwear for the specific application.

Environmental Hazards: Dike area to prevent entering drains, sewers or water courses.

Engineering controls: In restricted spaces, use effective ventilation, e.g. Local Air Ventilation. Do not permit excessive accumulation of dust in work areas. Best practice is to clean up with a vacuum equipped with a HEPA filter.

Steps to be taken in case material is released or spilled: If uncontaminated, collect for reuse or disposal. Use a clean up system which does not create dust, e.g. a vacuum equipped with a HEPA filter. If contaminated or not required for reuse, dispose in approved landfill in accordance with local regulations.

Waste Disposal Method: If uncontaminated, dispose as a non-metallic mineral. If contaminated, use appropriate method for containment with applicable local regulation(s).

Precaution to be taken in handling and storing: Product should be kept in a dry place. Avoid creation of respirable dust if possible. Protect workers as above. Use effective ventilation and dust collection. Avoid eye and skin contact with wet product during use.

Special shipping information: NA

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### **VIII. CONTROL/FIRST AID MEASURES/HEALTH PRECAUTION DATA**

Respirator Protections: Use only NIOSH/MSHA - approved respiratory protection for nuisance particles up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposures above the nuisance particulate PEL/TLV.

Ventilation: Local exhaust/general ventilation to control nuisance dust.

Protective/Work Gloves: Rubber, latex, vinyl, or other impervious gloves recommended

Eye Protection: Safety Goggles or glasses with side shields and brow protection Recommended.

Other Protective Clothing or Equipment: Not required



Work / Hygienic Practices:	Wash to remove dust after use
Eyes:	If Flush with tempered water for at least 20 minutes. Obtain medical attention
Skin:	Wash with soap and water. For caustic burns to skin consult a doctor.
Ingestion:	Drink large amounts of water. Do not induce vomiting. Seek immediate medical attention.
Gross inhalation of dust:	Remove victim to fresh air and administer CPR if necessary.

SUPPLEMENT INFORMATION:

THE BACTERIA AND MYCORRHIZAE CONTAINED IN THIS PRODUCT ARE STRAINS OF TYPICALLY HARMLESS SOIL AND WATER-SOLUBLE BACTERIA AND MYCORRHIZAE, AND DO NOT CAUSE INFECTIONS UNDER NORMAL CIRCUMSTANCES. 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  
ETC. SHOULD BE OBSERVED.

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### IX. SPECIAL PRECAUTIONS

Keep out of reach of children. Do not wash down storm or sanitary sewer system. Read and follow all label instructions.

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### X. REGULATORY DATA

SARA HAZARD CLASS: Acute

SARA 313: NO

SARA 302: NO

CERCLA: TPQ: NO

RCRA: RQ: NO

NFPA HAZARD RATING:

Health: [1]

Fire: [0]

Reactivity: [0]

Special: [ ]

NFPA HAZARD RATING SCALE:

0 = Minimal                      3 = Serious

1 = Slight                        4 = Severe

2 = Moderate

HMIS CODES:

Health: [1]

Fire: [0]

Reactivity: [0]

HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

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**XI. PREPARATION DATE OF MSDS**

Prepared by: Conscious Earthworks, LLC

Phone: 503-493-2784

Date: 10/01/09

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