



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product Name:** Root

**Description:**

Free flowing microbial inoculant containing all natural, non genetically altered, Bio-Safety Level 1 (ATCC) beneficial soil microorganisms, bio-stimulants and microbial synergists.

COMPONENT	%	CAS #	OSHA EXP. LIMITS *	TOXICITY
Diatomaceous Earth	10%	61790-53-2	15 mg / m <sup>3</sup>	NAV

\* Total Dust

DE = uncalcined diatomaceous earth

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Skin</b>	Remove contaminated clothing and wash hands thoroughly after use. If irritation occurs consult with physician.
<b>Eyes</b>	Flush eyes with cool water for 15 minutes, remove contact lenses and consult physician if irritation persists.
<b>Ingestion</b>	If conscious rinse mouth and dilute with fluids. Consult physician or poison control for further treatment advice.
<b>Inhalation</b>	Move person to fresh air and consult physician for further treatment advice.
<b>Note To Physician</b>	N/A

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

Use appropriate media for underlying cause of fire.

**Special Fire Fighting Procedures**

Wear self-contained breathing apparatus. Product is not flammable and can be quickly diluted with water.

**Flash Point**

N/A

**Special Fire Hazards**

None

**Specific Hazards**

None

**6. ACCIDENTAL RELEASE MEASURES**

**Steps To Be Taken In Case Material Is Released Or Spilled**

Wear protective equipment sweep up spill using dust suppressant (such as water). Dispose of in accordance with local, state & federal regulations.

Waste is Non Hazardous as defined by RCRA (40 CFR261)

Reportable Quantity (RQ) Under Cercla: No

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

- Advice on Safe Handling** Do not get in eyes, breathe in dust or ingest. Upon contact wash affected area with soap and water. Store in original container with lid tightly secured. Store product in a cool, dry place on a pallet or rack system. Avoid excessive heat & sunlight.
- Other** Always follow label directions

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Appropriate engineering controls**

- Engineering Controls** Apply technical measures to comply with the occupational exposure limits.
- PEL** N/A

**Individual protection measures, such as personal protective equipment**

- Eye/Face Protection** Eye protection (OSHA Approved) is recommended is potential for excessive dust exists.
- Skin and Body Protection** None
- Respiratory Protection** Respiratory protection (OSHA Approved) is recommended if potential for excessive dust exists when utilized in doors.
- Other** Wear pants, shirt, shoes and socks

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

- Appearance** Off white – tan free flowing powder with characteristic fermentation odor.
- Solubility** Partially soluble, balance forms a suspension

Root

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<b>Boiling Point</b>	N/A
<b>Melting Point</b>	ND
<b>Freezing Point</b>	N/A
<b>Evaporation Rate</b>	N/A
<b>Vapor Density</b>	(Air =1): N/A
<b>Specific Gravity</b>	N/A
<b>Bulk Density</b>	N/A
<b>pH (as is):</b>	7-9 (10% Slurry)

## 10. STABILITY AND REACTIVITY

### Hazardous Decomposition Product

None

### Incompatibility

Acids, bases, heat sources, reducing agents, disinfectants, hydrofluoric acid

### Sustainability

Stable under normal conditions

### Hazardous Polymerization

None

### Conditions To Avoid

Excessive moisture & heat during storage

## 11. TOXICOLOGICAL INFORMATION

### Carcinogenicity Reference

**I.A.R.C** No

**N.T.P** No

### **Summary**

Prolonged and repeated exposure to excessive concentrations of this product's dust, or any nuisance dust, can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness.

## 12. ECOLOGICAL INFORMATION

Avoid discharge in to streams, lakes, waterways & storm drains. Generally considered chemically inert in the environment.

## 13. DISPOSAL CONSIDERATIONS

Dispose of unused product in accordance with local, state & federal registrations for Natural Soil Bacteria. Triple rinse container & recycle.

**14. TRANSPORT INFORMATION**

<b><u>DOT Shipping Name</u></b>	None
<b><u>UN Number</u></b>	None
<b><u>Hazardous Class</u></b>	Not Classified
<b><u>Primary Hazard Label</u></b>	None
<b><u>Subsidiary Risk Label</u></b>	None
<b><u>WHMIS Classification</u></b>	N/A

**15. REGULATORY INFORMATION**

**SARA 311-312**

Diatomaceous earth carrier Hazardous Categories – Immediate and delayed health

**SARA 313:** Not reportable

**CERCLA:** Not reportable

This product does not contain any ingredients on RCRA or U lists of Federal Hazardous Waste

\* This product does not contain any ingredients on the Clean Air Act (CAA) list of hazardous waste.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	Not determined	Not determined	Not determined	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical hazards</b>	<b>Personal Protection</b>
	Not determined	Not determined	Not determined	Not determined

**Revision Date:** 19-June-2019  
**Revision Note:** Address update

**Disclaimer**

The information provided in this 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 a 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.

**End of Safety Data Sheet**