



## **Dr. Root (3-1-1)**

# **Safety Data Sheet**

### **Section 1. Material Identification & Hazard Components**

- Product Name: Dr. Root (3-1-1)
- Synonyms: n/a
- Product Use: Microbial Inoculant
- Company Name: Cultured Biologix, LLC.
- Formula: Powdered mixture
- Ingredients: Proprietary blend of microorganisms and plant-based substrate
- Chemical Name: n/a

Contains No Hazardous Components as Listed in 29 CFR 1900, 1000, or Other Pertinent Sections of OSHA Regulations

### **Section 2. Physical/Chemical Characteristics**

- Appearance and Odor: Light yellow/blonde, light flour odor
- Boiling Point (°F): n/a
- Vapor Pressure (mmHg): n/a
- Vapor Density (air=1): n/a
- Water Solubility: Good
- Specific Gravity: n/a
- Evaporation Rate (water=1): n/a
- Water Reactive: n/a

### **Section 3. Fire and Explosion Hazard Data**

- Flash Point and Test Method (°F): None, Closed Cup
- Autoignition Temperature: Not Determined
- Flammable Limits in Air % by Volume – Upper: Not Determined
- Extinguishing Media: Water, Foam, Carbon Dioxide, Dry Chemical
- Special Fire Fighting Procedure: Moisten with Water to Reduce Dust Explosion Hazard
- Unusual Fire and Explosion Hazard: None
- Lower: Not Determined

**Section 4.      Reactivity Hazard Data**

- Stability: Stable
- Incompatibility: None
- Conditions to Avoid: None
- Hazardous Polymerization: Will Not Occur
- Hazardous Decomposition Products: Oxides of Carbon

**Section 5.      Health Hazard Data**

- Primary Route(s) of Entry: Eye and Skin Contact, Ingestion, and Inhalation.
- Carcinogen Listed In: Not Listed.
- Health Hazards: Acute irritability sensations. No known chronic effects.
- Signs & Symptoms of Exposure: Mild irritation, redness of eyes. Prolonged and repeated exposure may cause mild skin irritation. Nausea, vomiting, or diarrhea may result from ingestion.
- Medical conditions Generally Aggravated by Exposure: Infection may occur through open wounds or broken skin. Dust from powder may affect people with asthma.
- Emergency First Aid Procedures: Flush eyes with plenty of cool water for at least 15 minutes. If irritation persists obtain, medical attention. Avoid contact with open wounds or broken skin. In case of skin contact, wash area with soap and water, apply topical antiseptic agent. In case of ingestion, give affected person several glasses of water and induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.

**Section 6.      Control & Protective Measures**

- Respiratory Protection: Dust Respirator
- Protective Gloves: Rubber/Nitrile Gloves
- Eye Protection: Goggles
- Ventilation: Local Exhaust
- Other Protective Equipment: Long Sleeve Shirts and Pants; Cover Exposed Skin
- Hygienic Work Practices: Wash Hands Thoroughly After Use

**Section 7.      Precaution for Safe Handling & Use/Leak Procedures**

- Steps to be Taken if Material is Released or Spilled: Ventilation area. Pick up on absorbent material or flush away with water.
- Waste Disposable Method: Consult Local Environment Authorities.
- Precautions to be Taken in Handling Storage: Store in a cool, dry place. Keep container tightly closed when not in use. To maintain biological properties, do not freeze and store above 100°F.
- Other Precautions: Keep out of Reach of Children

HMIS HAZARD RATING INFORMATION			FLAMMABILITY	HEALTH	REACTIVITY
0-Minimal	1-Sight	2-Moderate	0	1	0
3-Serious	4-Severe				

- Personal Protection: E, X (Safety Glasses, Gloves, Dust Respirator)

(Ask Your Supervisor for Guidance)

**Section 8. Ecological Information**

Not expected to be harmful to aquatic or terrestrial species and not persistent in the environment.

**Section 9. Disposal Considerations**

**RCRA:** Not a hazardous waste under RCRA criteria.  
Dispose of in accordance with local state and federal regulations.  
Do not contaminate water, food or feed by storage or disposal

**Section 10. Transportation Information**

**Regulatory status:** Not hazardous under DOT, TGA, ICAO or IMDG regulations.  
**Shipping name:** Dr. Root

**Section 11. Regulatory Information**

**TSCA:** All ingredients on TSCA Chemical Inventory  
**DSL:** All ingredients on the Canadian DSL  
**RQs, TPQs:** No ingredients listed.  
**SARA 311:** Classification: Immediate  
**SARA 313:** No ingredients listed.

KEEP OUT OF THE REACH OF CHILDREN  
CAUTION

**Section 12. Other Information**

**Issue Date:** July 15th, 2017  
SDS for North American market

Date Prepared: 03/09/17