

SAFETY DATA SHEET (SDS) – Vital Roots - Soluble

Section 1 - Identification

Product Name:	Vital Roots - mycorrhizal inoculant
Other means of identification:	Rhizophagus intraradices
Recommended use/restrictions:	Soil amendment and conditioner. No restrictions.
Manufacturer/distributor:	Vital Garden Supply 204 Gold Flat Ct. #7 Nevada City, CA 95959
Emergency contact number:	(530) 470-0124

Section 2 - Hazard(s) identification

Classification:	This product is not considered to be hazardous nor to contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Signal word:	No signal word.
Hazard statements:	<ul style="list-style-type: none">- May cause eye irritation.- May cause irritation of respiratory tract if inhaled.- May cause irritation from prolonged contact with skin.- Not known to be toxic if ingested.
Symbols:	No hazard symbols.
Precautionary statements:	Keep out of reach of children. Use as directed.

Section 3 - Composition/Information on ingredients

Chemical name:	auxiliary biotic soil and plant substance arbuscular mycorrhizae (species Rhizophagus intraradices)
Common name:	Mycorrhizal inoculant
Ingredients:	Rhizophagus intraradices, Hydrated Silica, Calcined Clay
CAS#:	Not listed in CAS registry, 7631-86-9, None
Manufacturer/distributor:	Vital Garden Supply 204 Gold Flat Ct. #7 Nevada City, CA 95959
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Section 4 - First aid measures

Eye contact:	Immediately flush thoroughly with water. If irritation persists after five minutes of flushing, remove contact lenses and repeat flushing thoroughly for five more minutes. If irritation persists, get medical attention immediately.
Skin contact:	Rinse irritated area of skin with soap and water. If irritation persists, get medical attention immediately.
Inhalation:	If irritation is experienced indoors, move outside to fresh air. Rinse mouth with fresh water. If irritation persists, get medical attention immediately.
Ingestion:	Drink a glass full of fresh water. If difficulty breathing or nausea is

experienced, induce vomiting and get medical attention immediately.

Section 5 - Fire-fighting measures

Extinguishing media: Water, sand or fine earth. Steam smothering can be used in relatively small enclosures. Material is essentially non-flammable.

Specific combustion hazards: None.

Precautions for fire-fighters: Wear full protective clothing and self-contained breathing apparatus. Use agents appropriate to surrounding materials to extinguish fire. Evacuate downwind if large quantities are involved in fire.

Section 6 - Accidental release measures

Personal precautions: Wear protective respiratory and eye equipment.

Emergency procedures: None.

Containment and cleanup: Apply as soil amendment to field. If product is contaminated, dispose of in an approved landfill disposal facility in accordance with applicable federal, state, provincial or local regulations.

Section 7 - Handling and storage

Safe handling precautions: Wear protective respiratory equipment and safety glasses.

Safe storage: Store in cool, well-ventilated place. No incompatibilities.

Section 8 - Exposure controls/personal protection

Permissible exposure limits: Not controlled under permissible exposure limit (PEL) of OSHA nor Threshold Limit Value (TLV) of American Conference of Governmental Industrial Hygienists.

Engineering controls: Use in well-ventilated area.

Individual protection measures: Wear a NIOSH/MSHA-approved respirator and safety glasses.

Section 9 - Physical and chemical properties

Physical state:	16-30 mesh granules.	Flammability (gas):	Not applicable.
Color:	Light brown.	Upper/lower flammability or explosive limits:	Not applicable.
Odor:	No appreciable odor level.	Vapor pressure:	Not applicable.
Odor threshold:	Not applicable.	Vapor density:	Not applicable.
pH:	Not applicable.	Relative density:	Not applicable.
Melting/freezing point:	Not applicable.	Solubility:	Not applicable.
Initial boiling point and boiling range:	Not applicable.	Partition coefficient: n-octanol/water:	Not applicable.
Flash point:	Not applicable.	Auto-ignition temperature:	Not applicable.
Evaporation rate:	Not applicable.	Decomposition temperature:	Not applicable.
Flammability (solid):	Not applicable.	Viscosity:	Not applicable.

Section 10 - Stability and reactivity

Reactivity:

Chemical stability: Stable.

Hazardous reactions: None.

Conditions to avoid: None.

Hazardous None.

Decomposition products: Not applicable

Section 11 - Toxicological information

Routes of exposure:	Inhalation, ingestion, skin and eye contact.
Immediate effects:	May cause eye irritation.
Chronic effects:	No significant concerns.
Toxicity:	No significant concern.

Section 12 - Ecological information

Ecotoxicity:	Insignificant
Persistence and degradability:	Biodegradable.
Bioaccumulative potential:	Not applicable. Positive effect on soil.
Mobility in soil:	None. Beneficial to soil.
Other:	No known adverse effects.

Section 13 - Disposal considerations

Waste residues:	No product residues. Packaging only.
Residue handling:	Non-toxic, non-contaminated packaging. No special disposal handling required.

Section 14 - Transport information

UN number:	Not applicable.
UN shipping name:	Not applicable.
Transport hazard:	Not regulated by DOT.
Packing group:	Not applicable.
Environmental hazards:	None known.
Bulk transport:	Not applicable.
Special precautions:	None.

Section 15 - Regulatory information

Safety:	Not applicable
Health:	Not applicable
Environmental:	Not applicable

Section 16 - Other information

The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge and information available at the time of its publication. Information provided is to be utilized only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality assurance or specification. This SDS relates only to Vital Roots - Soluble and may not be valid when used in combination with any other materials or in any process, unless specified in the text.

This SDS was last updated: 12/18/18