

SAFETY DATA SHEET (SDS) – Vital Plus Biological Inoculant

Product Name: Vital Plus Biological Inoculant
Other means of identification: None
Recommended use/restrictions: Microbial Product
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 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:

- 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: Microbial Product
Common name: Beneficial Microbes
Ingredients: Beneficial Microbes Blend
CAS#: 7732-18-5
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: Wash with plenty of water at least 15 minutes. Go to doctor
Skin contact: Remove contaminated clothes and shoes, wash skin with water
Inhalation: In case of presenting adverse symptoms, seek fresh air.
Ingestion: Let the person breathe freely. Go to the doctor and show them the product label

Section 5 - Fire-fighting measures

Extinguishing media: (Apply only to the container) CO2, Dry chemical powder, or water.
Specific combustion hazards: None
Precautions for fire-fighters: None

Section 6 - Accidental release measures

Personal precautions:	Wear protective respiratory and eye equipment.
Emergency procedures:	None
Containment and cleanup:	Material is non-toxic. No special methods or materials required.

Section 7 - Handling and storage

Safe handling precautions:	Avoid contact with skin and eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash contaminated clothes before reusing.
Safe storage:	Store in dry, cool place and out of direct sunlight. No specific ventilation requirements. Store away from feed and foodstuffs, as well as household cleaning products.

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:	100% Aqueous with beneficial microbes	Flammability (gas):	Not applicable
Color:	Transparent	Upper/lower flammability or explosive limits:	Not applicable
Odor:	Characteristic	Vapor pressure:	Not applicable
Odor threshold:	Not applicable.	Vapor density:	Not applicable
pH:	6	Relative density:	
Melting/freezing point:	<0°C	Solubility:	100%
Initial boiling point and boiling range:	<90°C	Partition coefficient: n-octanol/water:	Not applicable
Flash point:	Not applicable	Auto-ignition temperature:	Not applicable
Evaporation rate:	Similar to water	Decomposition temperature:	Not applicable
Flammability (solid):	Not applicable	Viscosity:	

Section 10 - Stability and reactivity

Reactivity:	none
Chemical stability:	stable
Hazardous reactions:	none
Conditions to avoid:	none
Hazardous decomposition products:	Not applicable

Section 11 - Toxicological information

Routes of exposure:	Inhalation, ingestion, skin and eye contact.
Immediate effects:	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.
Chronic effects:	May cause irritation and nausea
Toxicity:	No acute toxicity estimates. Not listed in the National Toxicology Program (NTP) Report on Carcinogens nor found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs or by OSHA.

Section 12 - Ecological information

Ecotoxicity:	No known effects.
Persistence and degradability:	Biodegradable
Bio accumulative 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 known.

Section 15 - Regulatory information

Safety:	Not regulated, but pesticide and pathogen free.
Health:	Not regulated, but pesticide and pathogen free.
Environmental:	Not regulated, but pesticide and pathogen free.

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 Plus Biological Inoculant 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: 7/6/22