

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

Product Identifier: MetaGrow™ Fresh

Product Use: Microbial Inoculant for Agriculture

Supplier: Sustainable Growing Solutions, LLC™

Address: 10724 State Highway 160, Hood, CA 95639

Telephone: (916) 284-9706

SECTION II – HAZARDOUS INGREDIENTS

Hazardous Ingredients: None

SECTION III – PHYSICAL DATA

Physical state: Liquid

Odor and Appearance: Dark Brown with a pleasant earthy smell

Specific gravity (H₂O = 1): 1.01 - 1.05

pH: 7.5 ± 1.0

Solubility in Water: Soluble

Boiling point: 212°F (100°C)

Freezing point: 32°F (0°C)

SECTION IV – FIRE AND EXPLOSION DATA

Flammable or combustible: Not flammable or combustible

Flashpoint: None

Upper flammable limit: N/A

Lower flammable limit: N/A

Auto ignition temperature: N/A

Flammability classification: N/A

Conditions of flammability: N/A

Special fire fighting procedures: N/A

Hazardous combustion products: N/A

Shock sensitivity: Non-sensitive

Static discharge sensitivity: Non-sensitive

SECTION V – REACTIVITY DATA

Product stability: Aspects of product efficacy become unstable at temperatures above 120°F (49°C). Product will go anaerobic with prolonged storage (more than 4 days after delivery) and should not be used if foul odors are observed that are characteristic of anaerobic conditions.

Conditions of reactivity: None

Incompatible substances: Disinfectants, bleach, strong acids or bases, high electrical conductivity (EC), high Oxygen Reduction Potential (ORP)

Hazardous decomposition products: None

SECTION VI – TOXICOLOGICAL PROPERTIES

Primary routes of exposure: Eye contact, ingestion, and skin contact

Exposure limits: None

Effects of acute exposure: Irritation

Sensitizer: Not known to be a sensitizer

Carcinogen: No

Mutagen: Not known to be a mutagen

Teratogen: Not known to be a teratogen

SECTION VII – PERSONAL PROTECTIVE EQUIPMENT

Gloves: No special requirements but gloves are recommended to avoid drying of skin

Respirator: No special requirements

Eye protection: Safety glasses to avoid contact with eyes

Footwear: No special requirements

Clothing: No special requirements

Other: No special requirements

Engineering controls: Normal ventilation

Leak and spill procedures: Flush away with water

Waste disposal: Solid waste or flush to sewer

Special shipping information: Avoid temperatures above 120°F

SECTION VIII – FIRST AID MEASURES

Eye contact: Flush with clean water

Skin Contact: Wash with soap and water

Ingestion: Consult a physician

SECTION IX – PREPERATION DATA

Information sources: Suppliers MSDS's, OSHA, NIOSH, EPA

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Prepared by: D. Olson