

# Safety Data Sheet (SDS)

Microbiome Live " ElixirGrow Technologies Inc.

## Section 1: Identification

<b>Product Name</b>	Microbiome Live
<b>Recommended Use</b>	Soil amendment for agricultural, environmental remediation, garden, and turf use
<b>Restrictions on Use</b>	Not for human or animal consumption
<b>Manufacturer/Supplier</b>	ElixirGrow Technologies Inc. 3104 E Camelback Rd #202 Phoenix AZ 85016, USA
<b>Telephone Number</b>	915-642-7623
<b>Emergency Phone Number</b>	911
<b>Email</b>	info@elixirgrow.com

## Section 2: Hazard(s) Identification

### Classification of the Substance or Mixture

**GHS Classification:** Not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Label Elements

**Pictograms:** None required.

**Signal Word:** None.

### Hazard Statements

- May cause mild eye irritation.
- Contains live microorganisms. Individuals with compromised immune systems should avoid direct contact and consult a physician if exposure occurs.

### Precautionary Statements

**Prevention:** Avoid contact with eyes and skin. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

### Response:

- **Eyes:** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.
- **Ingestion:** If swallowed, rinse mouth. Drink plenty of water. Seek medical advice if you feel unwell.

## Other Hazards

Unknown Acute Toxicity: Not applicable.

## Section 3: Composition/Information on Ingredients

**Mixture:** Water-based culture medium with live microbial cultures. Contains active, living colonies of beneficial soil microorganisms harvested from anaerobic digester systems.

Component	CAS Number	Concentration (% w/w)
Water-based culture medium	Not applicable	>95%
Desulfococcus multivorans (live)	Not applicable	<1% ( $3.0 \times 10^8$ CFU/ml)
Sulfurospirillum multivorans (live)	Not applicable	<1% ( $1.0 \times 10^8$ CFU/ml)
Acidovorax facilis (live)	Not applicable	<1% ( $3.0 \times 10^7$ CFU/ml)
Bacillus licheniformis (live)	68038-66-4	<1% ( $1.5 \times 10^6$ CFU/ml)
Bacillus coagulans (live)	68038-65-3	<1% ( $5.0 \times 10^6$ CFU/ml)
Lactobacillus buchneri (live)	1240468-27-2	<1% ( $2.5 \times 10^5$ CFU/ml)
Pseudomonas fluorescens (live)	129078-43-7	<1% ( $1.2 \times 10^5$ CFU/ml)
Lactobacillus plantarum (live)	1392-21-8	<1% ( $2.5 \times 10^4$ CFU/ml)
Additional native digester microbiota	Not applicable	<3% (variable)

*\*CFU/ml = Colony Forming Units per Milliliter. Live product contains approximately 10x higher CFU counts than Microbiome Boost due to presence of active, living colonies. Additional native microbiota from the digester ecosystem may be present.*

## Section 4: First-Aid Measures

### Description of First-Aid Measures

- **Inhalation:** If inhaled and discomfort occurs, move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash skin with plenty of soap and water. Remove contaminated clothing and wash before reuse. Seek medical advice if irritation develops.
- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.
- **Ingestion:** Do not induce vomiting. Rinse mouth thoroughly with water. Drink plenty of water. Seek medical advice if feeling unwell.

**Most Important Symptoms and Effects:** May cause mild eye and skin irritation.

**Immediate Medical Attention:** Treat symptomatically. Inform physician that product contains live soil microorganisms.

## Section 5: Fire-Fighting Measures

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

**Unsuitable Extinguishing Media:** None known.

**Special Hazards:** Non-flammable aqueous solution. May produce hazardous decomposition products under fire conditions.

**Advice for Firefighters:** Wear self-contained breathing apparatus and full protective gear if necessary. Cool containers with water spray to prevent overheating.

## Section 6: Accidental Release Measures

- **Personal Precautions:** Wear appropriate personal protective equipment (see Section 8). Avoid contact with skin and eyes.
- **Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not allow product to enter drains or waterways.
- **Containment and Cleanup:** Contain spill with inert absorbent material (e.g., sand, earth). Collect and place in suitable, labeled containers for disposal. Clean spill area thoroughly with water.

## Section 7: Handling and Storage

### Precautions for Safe Handling

- Avoid contact with eyes and skin.
- Wash hands thoroughly after handling.
- Do not eat, drink, or smoke when using this product.

### Conditions for Safe Storage

- Store in original container tightly closed.
- **Keep refrigerated or in a cool place (40 °F - 90 °F / 4 °C - 32 °C).**
- Store out of direct sunlight. Excessive heat will reduce microbial viability.
- **Use within 4 months of manufacture.** Microbial viability decreases over time.
- Keep away from incompatible materials (see Section 10).
- Do not freeze.

## Section 8: Exposure Controls/Personal Protection

**Control Parameters:** No occupational exposure limits have been established for this product.

### Personal Protective Equipment

- **Eye Protection:** Safety glasses with side shields or goggles.
- **Skin Protection:** Protective gloves (e.g., nitrile, rubber).
- **Respiratory Protection:** Not required under normal conditions. Use NIOSH-approved respirators if exposure limits are exceeded or irritation occurs.

- **Hygiene Measures:** Wash hands and face before breaks and immediately after handling the product.

## Section 9: Physical and Chemical Properties

Property	Value
Appearance	Liquid
Color	Dark brownish-green
Odor	Moderate earthy/organic odor
Odor Threshold	Not determined
pH	6.0 - 7.5
Melting Point/Freezing Point	Approximately 32°F (0°C)
Initial Boiling Point	Approximately 212°F (100°C)
Flash Point	Not applicable
Evaporation Rate	Similar to water
Flammability	Non-flammable
Vapor Pressure	Similar to water
Relative Density	~1.0 - 1.02 g/cm <sup>3</sup>
Solubility	Miscible in water
Viscosity	Slightly higher than water

## Section 10: Stability and Reactivity

- **Reactivity:** Not reactive under normal conditions.
- **Chemical Stability:** Stable under recommended storage conditions. Microbial viability decreases over time and with temperature exposure.
- **Hazardous Reactions:** None known.
- **Conditions to Avoid:** Extreme temperatures. Avoid freezing and excessive heat (>90°F). Prolonged storage beyond 4 months.
- **Incompatible Materials:** Strong oxidizing agents, strong acids, strong bases, biocides, and pesticides that may harm beneficial microorganisms.
- **Hazardous Decomposition Products:** Under fire conditions, may produce hazardous decomposition products such as carbon oxides.

## Section 11: Toxicological Information

Endpoint	Classification
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Acute Toxicity	Not classified
Skin Corrosion/Irritation	May cause mild skin irritation
Serious Eye Damage/Eye Irritation	May cause mild eye irritation
Respiratory or Skin Sensitization	Not expected to be a sensitizer
Germ Cell Mutagenicity	Not classified
Carcinogenicity	None of the components are listed by IARC, NTP, or OSHA
Reproductive Toxicity	Not classified
STOT-Single Exposure	Not classified
STOT-Repeated Exposure	Not classified
Aspiration Hazard	Not applicable

*Note: Microorganisms in this product are non-pathogenic soil bacteria commonly found in natural environments. However, immunocompromised individuals should exercise caution with any microbial product.*

## Section 12: Ecological Information

- **Toxicity:** Not expected to be harmful to the environment at recommended usage levels. Contains beneficial soil microorganisms.
- **Persistence and Degradability:** Product is biodegradable. Microbial components integrate into natural soil ecosystems.
- **Bioaccumulative Potential:** Not expected to bioaccumulate.
- **Mobility in Soil:** Miscible in water and mobile in the environment.
- **Other Adverse Effects:** None known.

## Section 13: Disposal Considerations

- **Product Disposal:** Dispose of contents/container in accordance with local, regional, national, and international regulations.
- **Container Disposal:** Triple rinse container prior to disposal. Recycle or dispose of container according to regulations.

## Section 14: Transport Information

Regulation	Classification
UN Number	Not regulated
DOT	Not regulated

IMDG	Not regulated
IATA	Not regulated
Marine Pollutant	No

## Section 15: Regulatory Information

### US Federal Regulations

- **TSCA Inventory:** All components are listed or exempt.
- **SARA Title III Section 302:** Not applicable.
- **SARA Title III Section 311/312:** Not hazardous.
- **SARA Title III Section 313:** Not applicable.

### US State Regulations

**California Proposition 65:** This product does not contain any substances known to the State of California to cause cancer, birth defects, or other reproductive harm.

### International Regulations

- **WHMIS Classification (Canada):** Not controlled.
- **EU Regulations:** All components are listed or exempted under REACH.

## Section 16: Other Information

**Date of Preparation:** 02/21/2026

**Revision Number:** 1.0

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