



Safety Data Sheet

Synergizer® 0-0-10

SECTION 1: Product and Company Identification

Product name: Synergizer® 0-0-10
 Product code: 4624
 Product use: Plant fertilizer
 Product type: Liquid
 Manufacturer: JH Biotech, Inc.
 4951 Olivas Park Drive, Ventura, CA 93003
 Tel: (805) 650-8933 Fax: (805) 650-8942
info@jhbiotech.com
 Emergency tel: (800) 428-3493 (within United States) (805) 650-8933 (outside United States)

SECTION 2: Hazards Identification

Signal word: Warning
 Label element:



Hazard statement: Harmful if swallowed.
 Precautionary statement: Avoid contact with eyes.
 First Aid: If swallowed: Seek medical attention. Rinse mouth. If in eyes: Remove contact lenses if present. Wash thoroughly with water for several minutes.
 Storage & Disposal: Store in a safe manner. Dispose product/container in accordance with federal, state, and local regulations.
 HMIS Rating: Health = 1 Flammability = 0 Reactivity = 0

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	%	Component	CAS No.	%
Potassium hydroxide	1310-58-3	n/a	Ferric ammonium citrate	1185-57-5	n/a
Magnesium oxide	1309-48-4	n/a	Zinc oxide	1314-13-2	n/a
Manganese oxide	1313-13-9	n/a	Humic acid, leonardite	1415-93-6	n/a

The specific identity and/or exact percentage of composition is not provided because it is a trade secret or is not considered hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 4: First Aid Measures

Inhalation: Remove from source of exposure. Get medical attention if necessary.
 Skin contact: Wash thoroughly with water. Get medical attention if necessary.
 Eye contact: Wash eyes with plenty of water for at least 15 minutes. Be sure to remove contact lenses. Get medical attention if necessary.
 Ingestion: Wash out mouth with plenty of water. Do not induce vomiting. Get medical attention if necessary.

SECTION 5: Firefighting Measures

Suitable extinguishing media

Water spray, dry chemical, carbon dioxide, foam

Special hazards arising from the substance or mixture

None

Protection for firefighters

Wear protective clothing and equipment

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear protective clothing, gloves, and safety eye goggles.

Environmental precautions

Avoid discharge into environment



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Methods and material for containment and cleaning up

Contain all spills and leaks to prevent discharge into the environment. Use appropriate tools to transfer spill material to proper disposal container. Or recover material and use it for its intended purpose.

SECTION 7: Handling and Storage

Precautions for safe handling

Avoid overheating or freezing

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use.

SECTION 8: Exposure Controls/Personal Protection

Exposure controls

Product has no occupational exposure limits. Avoid inhaling dusts or vapors. Practice good industrial hygiene and safety.

Personal protection

Eye protection: Eye protection is not required. To avoid contact with eyes, use safety eye goggles.
Skin protection: Wear protective clothing as necessary to minimize contact. Use chemical resistant gloves.
Respiratory protection: Not required. Wear approved respiratory equipment if necessary.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Dark red-brown color	Vapor pressure	Not applicable
Odor	Slight odor	Vapor density	Not applicable
pH	6.0 – 6.5	Relative density	1.26 g/ml
Physical state	Liquid	Solubility	Soluble in water
Melting point / Freezing point	Not applicable	Partition coefficient	Not applicable
Boiling point	>100°C/212°F	Auto-ignition temperature	Not applicable
Flash point	Not applicable	Decomposition temperature	Not applicable
Evaporation rate	Not applicable	Viscosity	Not viscous
Flammability	Non-flammable	Explosive properties	Non-explosive
Explosive limits	Not applicable	Oxidizing properties	Non-oxidizer

SECTION 10: Stability and Reactivity

Reactivity

None

Chemical stability

Product is stable up to pH = 9.

Possibility of hazardous reactions

Under normal conditions, hazardous reaction will not occur.

Conditions to avoid

Avoid heat

Incompatible materials

Not compatible with calcium. Mixing with calcium will cause precipitation.

Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity: Harmful if swallowed
Irritation: May cause eye or skin irritation
Corrosivity: Not known to be corrosive



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Sensitization: Not known to cause sensitization
Dose toxicity: Not known to be toxic
Carcinogenicity: Not known to be carcinogenic
Mutagenicity: Not known to be mutagenic
Reproductive toxicity: Not known to cause reproductive harm

SECTION 12: Ecological Information

Ecotoxicity

Not considered hazardous.

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Soluble in water and may disperse in soil

SECTION 13: Disposal Considerations

Waste treatment methods

Not hazardous waste. Dispose of product in accordance with regulations.

SECTION 14: Transport Information

Not regulated by U.S. DOT as hazardous material.

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: Not applicable

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the product

None

SECTION 16: Other Information

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