



# Safety Data Sheet

## Superzyme® Powder

### SECTION 1: Product and Company Identification

Product name: Superzyme® Powder  
Product use: Use as biological plant growth promoter  
Product type: Solid / powder / granule

#### Importer & Distributor:

Roots, Shoots & Fruits  
PO Box 72, Waiheke Island  
Auckland, New Zealand 1840  
Ph: +64 (09) 372 9155

#### Manufacturer:

JH Biotech, Inc.  
4951 Olivas Park Drive, Ventura, CA 93030  
Ph: (805)650-8933  
Fax: (805)650-8942

24 hour emergency contact within NZ is 0800 764 766 (0800 POISON)

### SECTION 2: Hazards Identification

Signal word: Warning - Mild Eye Irritation (HSNO 6.4A)  
Label element: None  
Hazard statement: Not hazardous  
Precautionary statement: Do not swallow. 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.

### SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Component	CAS No.
Enzymes: Protease, Lipase,	n/a	<i>Pseudomonas putida</i>	n/a
<i>Bacillus subtilis</i>	68038-70-0	<i>Trichoderma spp</i>	n/a

The specific identity and/or exact percentage of composition is not provided because it is a trade secret. Product is not classified as hazardous according to the GHS7 (NZ).

### SECTION 4: First Aid Measures

Inhalation: Remove from source of exposure. Get medical attention if necessary.  
Skin contact: Wash thoroughly with soap and 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

None

#### 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.



# Safety Data Sheet

## Superzyme<sup>®</sup> Powder

### 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.  
Respiratory protection: Not required. Wear approved respiratory equipment if necessary.

### SECTION 9: Physical and Chemical Properties

#### Information on basic physical and chemical properties

Appearance	White, tan powder	Vapor pressure	Not applicable
Odor	Slight odor	Vapor density	Not applicable
pH(1:10)	4 – 8	Relative density	0.6-1.3 g/ml
Physical state	Solid	Solubility	Soluble in water
Melting point / Freezing point	>100°C / 212°F	Partition coefficient	Not applicable
Boiling point	Not applicable	Auto-ignition temperature	Not applicable
Flash point	Not applicable	Decomposition temperature	Not applicable
Evaporation rate	Not applicable	Viscosity	Not applicable
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.

#### Possibility of hazardous reactions

Under normal conditions, hazardous reaction will not occur.

#### Conditions to avoid

Avoid heat

#### Incompatible materials

Alkaline solution pH 10 and higher. Acidic solution pH 1 and lower.

#### Hazardous decomposition products

No known hazardous decomposition products.

### SECTION 11: Toxicological Information

#### Information on toxicological effects

Acute toxicity: May be harmful if swallowed  
Irritation: May cause mild irritation to eyes  
Corrosivity: Not known to be corrosive  
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 hazardous



# Safety Data Sheet

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### 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 federal, state, and local regulations. Consult with qualified representative for proper disposal or treatment.

## SECTION 14: Transport Information

UN Number: Not applicable

UN proper shipping Name: Not applicable

Transport hazard class(es): Not applicable

## SECTION 15: Regulatory Information

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

Not applicable.

## SECTION 16: Other Information

Issued: 19/03/2024

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