# 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
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 | *Pseudomonas putida* | n/a |
| *Bacillus subtilis* | 68038-70-0 | *Trichoderma* spp | 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.

## 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$^{O}$C / 212$^{O}$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

**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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