



Safety Data Sheet

Superzyme[®]

SECTION 1: Product and Company Identification

Product name: Superzyme (powder)
Product code: 0206
Product use: Use as biological plant growth promoter
Product type: Solid, powder

Importer & Distributor:
Roots, Shoots & Fruits Ltd.
PO Box 72, Waiheke Island
Auckland, New Zealand 1840
Ph: (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

Contact with eyes may cause irritation. Inhalation of dust may cause nose, throat, or respiratory irritation. Harmful if swallowed.

HMIS Rating: Health = 1 Flammability = 0 Reactivity = 0

SECTION 3: Composition/Information on Ingredients

| Component | CAS No. |
|---------------------------|---------|
| Hydrolysed protein | n/a |
| <i>Bacillus subtilis</i> | n/a |
| <i>Pseudomonas putida</i> | n/a |
| <i>Trichoderma</i> spp | n/a |

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

Not available



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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

Not available

Methods and material for containment and cleaning up

Contain all spills and leaks to prevent discharge into the environment. Use appropriate absorbent material to absorb the spilled material and flush spilled area with water.

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

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

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|------------------------------|-----------------------|
| Appearance | Cream coloured powder |
| Odor | No offensive odor |
| pH | Not available |
| Melting point/freezing point | Not available |
| Boiling point | 100°C/212°F |
| Flash point | Not available |
| Evaporation rate | Not available |
| Flammability | Not available |
| Explosive limits | Not available |
| Vapor pressure | Not available |



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| | |
|---------------------------|---------------|
| Vapor density | Not available |
| Relative density | 1.05 g/cc |
| Solubility | Soluble |
| Partition coefficient | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | Not available |
| Explosive properties | Non explosive |
| Oxidizing properties | Not available |

SECTION 10: Stability and Reactivity

Reactivity

Not available

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: | Not available |
| Irritation: | Not available |
| Corrosivity: | Not available |
| Sensitization: | Not available |
| Dose toxicity: | Not available |
| Carcinogenicity: | Not available |
| Mutagenicity: | Not available |
| Reproductive toxicity: | Not available |

SECTION 12: Ecological Information



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Ecotoxicity
Not available

Persistence and degradability
Not available

Bioaccumulative potential
Not available

Mobility in soil
Not available

SECTION 13: Disposal Considerations

Waste treatment methods
Not hazardous waste. Dispose of product in accordance with regulations.

SECTION 14: Transport Information

UN number: Not available
UN proper shipping name: Not available
Transport hazard class(es): Not available
Packing group: Not available
Environmental hazards: Not available
Special precautions for user: Not available

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the product
Not available

SECTION 16: Other Information

Issued: 03/01/2024

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