



Safety Data Sheet

Fulzyme® Plus

SECTION 1: Product and Company Identification

Product name: Fulzyme® Plus
Product use: Use to promote plant growth.
Product type: Liquid

Importer & Distributor:
Roots, Shoots & Fruits Ltd
27 Hastie Avenue, Mangere Bridge
Auckland, New Zealand 2022
Ph: +64 (09) 372 9155
E: rsf@rd2.co.nz

Manufacturer:
JH Biotech, Inc.
4951 Olivas Park Drive
Ventura, CA 93003
Ph: (805)650-8933
Fax: (805)650-8942

24-Hour Emergency Contact in New Zealand:
0800 764 766 (0800 POISON)

SECTION 2: Hazards Identification

GHS Classification

Acute Toxicity, Oral Category 5 H303
Skin irritation, Category 3 H316
Eye Irritation, Category 2B H320

GHS Label Elements

Pictogram: None
Signal word: Warning

Hazard statements:

H303: May be harmful if swallowed.
H316: Causes mild skin irritation.
H320: Causes eye irritation.

Precautionary statements

P101: If medical advice is needed, have product container to hand.
P102 + P103: Keep out of reach of children. Read label before use.
P264 + P265: Wash hands thoroughly after handling. Do not touch eyes.
P312 - Call a Poison Centre or doctor if you feel unwell.
P301 + P313: If swallowed: Get medical help.
P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332 + P313: If skin irritation occurs: Get medical help.
P337 + P313: If eye irritation persists: Get medical help.
P402 + P404: Store in a dry place. Store in a closed container.
P501: Dispose of contents/container in accordance with local regulation.

SECTION 3: Composition/Information on Ingredients

Component	CAS No.
<i>Bacillus subtilis</i>	n/a
Amino acids	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: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get emergency medical attention.
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



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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

Avoid discharge into environment.

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	Liquid, light brown	Vapor pressure	Not applicable
Odor	Slight odor	Vapor density	Not applicable
pH	5 – 6.5	Relative density	1.05-1.10 g/ml
Physical state	Liquid	Solubility	Soluble in water
Melting point / Freezing point	0°C / 32°F	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.

Possibility of hazardous reactions

Under normal conditions, hazardous reaction will not occur.

Conditions to avoid.

Avoid heat.

Incompatible materials

Not available



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Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity:	May be harmful if swallowed.
Irritation:	Causes eye irritation. Causes mild skin irritation.
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 considered hazardous.

Persistence and degradability

Not available

Bio accumulative potential

Not available

Mobility in soil

Mobile because it is water soluble.

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

Transport Classification: Not classified as Dangerous Goods under the standard NZS 5433:2020 Transport of Dangerous Goods on Land.

DOT

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

IATA

Not dangerous goods

IMDG

Not dangerous goods

SECTION 15: Regulatory Information

HSNO Approval Number: HSR002571 Group Standard - Fertilisers (Subsidiary Hazard) Group Standard 2020

CERCLA

This product does not contain any substance regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

California Prop 65

This product does not contain any chemical known to the State of California to cause cancer and birth defects or other reproductive harm.



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SARA 311/312 Hazards

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

SARA 313

This product does not contain any material that is subject to reporting levels established by SARA Title III, Section 313.

SECTION 16: Other Information

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