Safety Data Sheet
Synergizer® 11-19.5-4.6

SECTION 1: Product and Company Identification

Product name: Synergizer® 11-19.5-4.6
Product code: 403026
Product use: Agricultural use / Plant fertilizer
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 4	H302
Skin irritation, Category 2	H315
Serious eye irritation, Category 2A	H319

GHS Label Elements

Pictogram:

Signal word: Warning

Hazard statement:

H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.
P102 + P103 – Keep out of reach of children. Read label before use.
P264 + P265: Wash hands thoroughly after handling. Do not touch eyes.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/eye protection/face protection.
P301 + P317 + P330: If swallowed: Get medical help. Rinse mouth.
P302 + P352: If on skin: Wash with plenty of soap and water.
P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical help.
P332 + P313: If skin irritation occurs: Get medical help.
P501 – Dispose of contents/container in accordance with local regulations.
P337+P313 – If eye irritation persists: Get medical advice.
P501 – Dispose of contents/container in accordance with local regulations.

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	%
Ammonium polyphosphate	68333-79-9	n/a
Potassium polyphosphate	13845-36-8	n/a
Humic acid (potassium humate, fulvic acid)	1415-93-6	n/a

Product is not considered hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).
Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code.

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.

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	Black,dark brown color	**Vapor pressure**	Not applicable
Odor	Slight odor	**Vapor density**	Not applicable
pH	7 - 8	**Relative density**	1.3 - 1.4 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.

Possibility of hazardous reactions
Under normal conditions, hazardous reaction will not occur.

Conditions to avoid.
Avoid heat.

Incompatible materials
Not available

Hazardous decomposition products
Not available

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity:	May be harmful if swallowed.
Irritation:	May cause eye or 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
Soluble in water and may disperse in soil.

SECTION 13: Disposal Considerations

Waste treatment methods
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.

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

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.

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.

Chemical Inventory Listing:

New Zealand NZIoC:	Ammonium polyphosphate [CAS No. 68333-79-9] is listed. Potassium polyphosphate [CAS No. 13845-36-8] is listed. Humic acid [CAS No. 1415-93-6] is listed.

SECTION 16: Other Information

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