

Sustainable Farming Solutions

(Sustainable Ventures Pty Ltd ACN 076 001 100)



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Safety Data Sheet

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Product Name: Vitazyme ST (Seed Treatment)

Not classified as hazardous according to The Globally Harmonised System of Classification and labeling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

1. IDENTIFICATION

Other Names: A special proprietary liquid foliar and soil spray

2. COMPOSITION/ INGREDIENTS

Safety phrases: Keep out of reach of children
Avoid contact with eyes
Hazard category: Non-hazardous. Non-dangerous goods.
Other hazard information: This material is classed as non-hazardous and generally classed as non-harmful through short-term or intermittent exposure, however care should be taken to avoid contact with eyes and because it is not a food-grade product it should not be swallowed.

3. HAZARDS IDENTIFICATION

Ingredients: Produced by poly fermentation and extractions which contains natural growth regulators and other bio-active agents that hasten plant growth, stimulate root development and increase yields. Components are derived from multiple sources including sea plant soluble solids, natural terrestrial plant materials and aqueous extracts of digested, multi-fermented cereal grain products.

4. FIRST AID MEASURES

Inhalation: If patient is overcome by odour, remove them to fresh air.
Ingestion: Although not processed to food-grade specifications the material has shown no ill-effect when consumed in small quantity. Non-toxic but may cause vomiting. If swallowed monitor condition and seek medical advice if adverse symptoms become apparent.
Eye: Very slightly irritating. Wash with clean water for at least 15 minutes. Consult a physician if irritation persists.
Skin: Presents no danger through contact with skin although may cause irritation and slight burning sensation to open cuts or abrasions. Wash or rinse exposed skin/open wound with clean water and remove contaminated clothing if irritation is a problem.
First Aid Facilities: Normal washroom facility.
Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water, foam, carbon dioxide or dry chemical powder.

Fire/Explosion Hazard

As a non-flammable, non-explosive liquid substance will not burn due to high moisture percentage.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal:

The product is soluble and can be flushed away or dispersed by dilution with water. As a soil conditioner it can simply be washed into soil as a safe means of dispersion. Alternately the product can be absorbed with sawdust or similar material and disposed of in soil or as refuse.

Non-phytotoxic, non-toxic, non-accumulative. Will have no adverse effects on environment and will not damage water supplies, ponds, rivers, lakes or underground water supplies.

Comply with all applicable governmental regulations on spill reporting and handling and disposal of waste.

7. HANDLING AND STORAGE

Storage:

Store in a cool area out of direct sunlight. May be stored in any clean, dry area or warehouse.

Studies up to date indicate up to 10 years storage will not harm efficacy.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission. Store and transport only in approved containers.

Respiratory Protection:

Use in ventilated area.

Eye Protection:

Safety glasses. Similar irritant to soap.

Hand Protection:

Incidental skin contact is not harmful. Wash skin immediately after exposure.

Body Protection:

Not required.

Engineering Controls:

Use in a ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Dark reddish-brown liquid

Odour:

Pungent typical of most poly ferments

pH:

3.5-4.2 at 25°Celsius

Solubility in Water:

100% in water

Moisture:

>95%

Ash%:

<5%

Specific Gravity:

1.007

Physical State:

Liquid.

Boiling Point:

100°C

Freezing Point:

0°C

Flash Point:

Not flammable.

Flammability:

Not flammable.

Flammability limits LEL:

Not flammable.

Corrosiveness:

Water based – slightly corrosive

10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions of storage and handling.

Hazardous decomposition products:

None

Hazardous reaction:

Not a fire hazard.

11. TOXICOLOGICAL INFORMATION

Toxicology Information:

Not available. Active ingredients practically non-toxic, non-allergenic and non-pathogenic to mammals.

Inhalation:

Ingredients considered non-hazardous when used as directed.

Ingestion:	Not a likely source of exposure, however moderate quantities of concentrate may cause irritation.
Skin:	Not available.
Eye:	Not available.
Chronic Effects:	No known adverse effects.

12. ECOLOGICAL INFORMATION

Environ Protection:	No data available on this product.
Mobility:	No data available on this product.
Persistence:	No data available on this product.
Bioaccumulation:	No data available on this product.
Ecotoxicity:	No data available on this product.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, EPA , state and local regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

General:	No special handling.
Un number:	None allocated.
Proper Shipping Name:	None allocated.
DG Class:	None allocated.
Hazchem Code:	None allocated.
Packing Group:	None allocated.
EPG Number:	None allocated.
IERG Number:	None allocated.

15. REGULATORY INFORMATION

Safety Phrase:	S2 Keep out of reach of children. S25 Avoid contact with eyes.
Poisons Schedule:	Not Scheduled.

16. OTHER INFORMATION

The data and recommendations presented herein are based upon research of others believed to be accurate. However, no warranty is expressed or implied regarding this data or the results to be obtained from use thereof. Sustainable Farming Solutions assumes no responsibility for the injury to customers or third party proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet.

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