

# Organic Farming Systems

(Sustainable Ventures Pty Ltd ACN 076 001 100)



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## Material Safety Data Sheet – Vital Start

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### 1. Identification of the Material and Supplier

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Trade Name:	Vital Start
Chemical Name:	N/A
Approved Use:	Fertilizer
Supplier:	Organic Farming Systems PO Box 419 Cottesloe WA 6011
Tel:	08 9384 3789 1800 765 007
Emergency Telephone Number	0417 992 970

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### 2. Composition / Information on Ingredients

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#### Ingredients

No	Name
1.	Mono Ammonium Phosphate
2.	Mono Potassium Phosphate
3.	Kelp
4.	Vitazyme

No.	CAS No.	Hazchem Code	Dangerous good
1.	7722 76 1	N/A	N/A
2.	7783 28 2	N/A	N/A
3.	Kelp	N/A	N/A
4.	Vitazyme	N/A	N/A

Classification - Irritant

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### 3. Hazards Identification

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**Irritant**

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### 4. First - Aid Measures

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#### Health Effects

Whenever fertilizers are in regular use ensure drinking water and eye wash facilities are available.

In case of serious personal contamination always seek medical help immediately.

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Acute	Swallowed:	If person conscious, rinse mouth thoroughly with water, and give copious amounts of water or milk to drink. DO NOT INDUCE VOMITING. Seek medical attention. If vomiting occurs place patient in the recovery position. If more than a small quantity has been swallowed, or there is pain or difficulty swallowing, seek medical attention.
	Eye:	Flush gently with running water for at least 15 minutes lifting lower and upper eyelids occasionally. Seek medical attention if irritation develops.
	Skin:	Gently flush affected areas with water. Seek medical attention if irritation develops. Remove all contaminated clothing and launder before re-use. May cause mild irritation especially to damaged skin.
	Inhalation:	If over exposure occurs remove affected person to well ventilated area. Keep warm and rest. If symptoms persist seek medical advice. If breathing is difficult give oxygen.

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#### **4. Precautions for Use**

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Exposure Standards: Standards have not been established by Worksafe Australia for any of the major ingredients in this product.

Engineering Controls: Mist generation should be managed via normal spraying methods.

#### **Personal Protection**

Respirator Type:	Usually safe to use without respirator or mask.
Glove Type:	Not normally required
Eye Protection:	Not normally required
Clothing:	Not normally required

Suitable Extinguishing Media This product is not classified combustible or flammable. All extinguishing agents can be used.

Special Exposure Hazards: Aqueous liquid. Does not present any combustion risk in the event of a fire. Heat from fire may result in the release of oxides of nitrogen, sulphur, ammonium gaseous fumes.

Protective Equipment: Isolate the area. Full protective clothing and boots, a respiratory protective device, with combined gas and particle filter, appropriate gloves and safety glasses/face shield should be worn.

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#### **6. Accidental Release Measure**

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Personal Precautions: Avoid contact with skin and eyes. Avoid unnecessary contact with product. Ensure adequate ventilation of the working area. Remove all contaminated clothing. Wash hands and face before eating, drinking or smoking.

Environmental Precautions: Do not discharge into drains or watercourses.

Method for Cleaning Up: Small spillage: Absorb and contain spillage with sand or earth. Do not contaminate drains.  
Large spillage: Evacuate area. Absorb and contain spillage with sand or earth. Place waste in sealed containers. Contact local authority for controlled waste disposal. Notify Water Authority if large spillage enters drains or sewers.

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## **7. Handling and Storage**

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Handling: Handle and use in accordance with good occupational hygiene and safety practice. Avoid skin and eye contact. Wear full overall protective clothing, PVC or rubber gloves and boots. Use in natural ventilation. If exposed to high vapor concentration in a confined area, wear self contained breathing apparatus.

Storage: Keep sealed in original containers. Store in frost-free, dry conditions out of direct sunlight above 5<sup>o</sup> C and below 30<sup>o</sup>C. Store away from combustible materials, herbicides, fungicides and human and animal consumables.

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## **8. Exposure Controls / Personal Protection**

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Precautions: Wash hands before meals and after work.  
Ensure adequate ventilation of the working area.  
Avoid breathing mist when spraying.  
Store in original container, tightly closed in a safe frost-free place out of direct sunlight. Store away from children, pets, livestock and foodstuffs.

Protective Clothing: Wear full protective overall clothing.  
Wear chemical resistant PVC or rubber gloves and boots.  
Wear approved safety face shield or goggles.  
No personal respiratory equipment is indicated during the handling of this product.

Occupational Exposure Limits: Not specified.

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## **9. Physical and Chemical Properties**

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Appearance: Black liquid  
Odour: None  
pH: 4.5 - 6.0 (10% solution)  
Boiling Pt: Approximately 100<sup>o</sup>C  
Melting Pt: Not applicable  
Explosive Properties: Note explosive  
Oxidising properties: Not oxidising  
Vapour Pressure: No information  
Relative Density: 1.35+/- 0.02g/cm<sup>3</sup> at 20<sup>o</sup>C  
Solubility (water and fat): Miscible in water in all proportions  
Soluble in common organic solvents

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## 10. Stability and Reactivity

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Conditions to Avoid:	Hazardous reactions are unlikely to occur under normal conditions of storage and use. On available data, this is not a dangerous product. However, all precaution should be taken when using fertilizers.
Materials to Avoid:	Avoid undiluted contact with strong bases - may release ammonia, strong oxidizing agents - may oxidize metals - slightly corrosive.
Hazardous Decomposition Products:	No hazardous decomposition products are expected.

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## 11. Toxicological Information

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Acute Toxicity:	No known.
Irritation:	Irritant.
Sensitization:	Non-Sensitizer.

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## 12. Ecological Information

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Mobility:	Ultimate destination is the soil.
Degradability:	Readily biodegradable in soil.
Accumulation:	Bio-accumulation unlikely.

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## 13. Disposal Considerations

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Product and Water:	Flush small quantities to drain with copious amounts of water. Large quantities require controlled waste disposal in accordance with all local and national regulations.
Containers:	Do not re-use packaging for any other purpose. Dispose of used packaging in accordance with all local and national regulations.

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## 14. Transport Information

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Special Transport Considerations:	Non-Hazardous
Road/Rail Classification:	Not Restricted
IMDG Classification:	Not Restricted
Air Classification:	Not Restricted

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## 15. Transport Information

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R-Phases	R37 R38	Irritating to the respiratory system Irritating to skin
S-Phases	S2 S7 S13 S20/21 S23	Keep out of reach of children Keep container tightly closed Keep away from food, drink & animal feeding stuff When using do not eat, drink or smoke Do not breathe gas/fumes/vapour/spray

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S36/37/39	Wear suitable protective clothing, gloves and eye/face protection
S51	Use only in well ventilated areas
S56	Do not discharge into drains or the environment

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### **16. Other Information**

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Australian Poisons Information Centre      13 11 26

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### **17. Contact Point**

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Organic Farming Systems    - Steven David (Manager)    08 9384 3789

#### Disclaimer

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