

Organic Farming Systems

(Sustainable Ventures Pty Ltd ACN 076 001 100)

Tel: 08 9384 3789
Fax: 08 9384 3379
Email: admin@organicfarming.com.au
Address: PO Box 419, Cottesloe WA 6911
Warehouse: 3 Rawlinson St, O'Connor WA 6163



Material Safety Data Sheet – Vital K 30

1. Identification of the Material and Supplier

Trade Name:	Vital K30
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

2. Composition / Information on Ingredients

Ingredients

Major – Potassium'
Minor – Kelp and Vitazyme
Hazchem Code – N/A
Dangerous Good – N/A
Classification - Irritant

3. Hazards Identification

Irritant to skin and respiratory system.

R phases:	R37 – Irritating to the respiratory system R38 – Irritating to the skin
S phases:	S2 – Keep out of reach of children S7 – Keep container tightly closed S13 – Keep away from food, drink & animal feeding stuffs S20/21- When using do not eat, drink or smoke S23 – Do not breathe gas/fumes/vapour/spray 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. Dispose to an authorized waster collection point.

Poisons Shedule: No data available

Date of Issue: 30 June 2014

4. First - Aid Measures

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.

Acute	Swallowed:	May cause systemic damage and gastro-intestinal Irritation including nausea, vomiting, diarrhea, cramps, cyanosis, convulsions, pulmonary oedema, liver damage, hypotension and renal failure. May lead to coma and death. DO NOT INDUCE VOMITING. Give copious amounts of water/milk to drink. If vomiting occurs place patient in the recovery position. Seek immediate medical assistance.
	Eye:	Contact with eyes may cause irritation. Flush gently with running water for at least 15 minutes lifting lower and upper eyelids occasionally. Seek medical attention if irritation develops.
	Skin:	Contact with skin may cause mild irritation especially to damaged skin and wounds. If symptoms persist seek medical aid. Wash immediately with soap and rinse with copious amounts of water.
	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.

4. Precautions for Use

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

5. Fire-Fighting Measures

Suitable Extinguishing Media:	This product is not classified combustible or flammable. All extinguishing agents can be used.
Unsuitable Extinguishing Media:	None known.
Special Exposure Hazards:	Aqueous liquid. Does not present any combustion risk in the event of a fire. Heat from fire may result in

Protective Equipment:

the release of oxides of nitrogen, sulphur, ammonium gaseous fumes and carbon dioxide. 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.

6. Accidental Release Measure

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:

Rinse empty container with water and add to mix. Do not discharge into drains or watercourses. Dispose of containers at a suitable site.

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.

7. Handling and Storage

Handling:

Handle and use in accordance with good occupational hygiene and safety practice. Avoid skin and eye contact. Wear full overall protective bodysuit, 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^o C and below 30^oC. Store away from combustible materials, herbicides, fungicides and human and animal consumables.

8. Exposure Controls / Personal Protection

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 bodysuit clothing. Wear chemical resistant PVC or rubber gloves and boots. Wear approved safety face shield or goggles.

Occupational Exposure Limits: No personal respiratory equipment is indicated during the handling of this product.
Not specified.

9. Physical and Chemical Properties

Appearance:	Black liquid
Odour:	None
pH:	8-10 (10% solution)
Boiling Pt	Approximately 100 ⁰ C
Melting Pt	Not applicable
Flash Point	Non-flammable
Flammability	Non-flammable
Explosive Properties:	Non- explosive
Oxidising properties:	Oxidising
Vapour Pressure:	Not available
Relative Density:	1.45g/cm ³ at 20 ⁰ C
Solubility (water and fat):	Miscible in water in all proportions Soluble in common organic solvents

10. Stability and Reactivity

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.

11. Toxicological Information

Acute Toxicity:	No known.
Irritation:	Irritant.
Sensitization:	Sensitiser.

12. Ecological Information

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

13. Disposal Considerations

Product and Waste:	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.

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Dispose of used packaging in accordance with all local and national regulations.

14. Transport Information

Special Transport Considerations:	Not classified as Dangerous Goods
Road/Rail Classification:	Not Restricted
IMDG Classification:	Not Restricted
Air Classification:	Not Restricted

15. Regulatory Information

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

16. Other Information

Australian Poisons Information Centre	13 11 26
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17. Contact Point

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

Disclaimer

The data and recommendations presented herein are based upon research of others and are believed to be accurate. However, no warranty is expressed or implied regarding this data or the results to be obtained from use thereof. Organic Farming Systems 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. This information relates only to the specific material designated and may not be valid if the product is used in combination with any other product or material, or as part of another process.