

# Sustainable Farming Solutions

(Sustainable Ventures Pty Ltd ACN 076 001 100)



Tel: 08 9388 3623  
Email: admin@sustainablefarming.com.au  
Perth Office: Level 1, 322 Hay St, Subiaco WA 6008  
Warehouse: 3 Rawlinson St, O'Connor WA 6163  
Postal Address: PO Box 419, Cottesloe WA 6911

Safety Data Sheet  
Issue Date: 14/03/18

## Product Name: Vital Earth

Not classified as hazardous according to criteria of GHS.

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product Identifier

Product Name: Vital Earth  
Other Names: Humic acid, humates, potassium humates

#### 1.2 Uses and advised against

Uses: Soil amendment

#### 1.3. Details of supplier

Supplier name: Organic Farming Systems  
Address: Level 1, 322 Hay St, Subiaco WA 6008  
Telephone: 08 9384 3789  
Email: admin@organicfarming.com.au  
Website: www.organicfarming.com.au

#### 1.4. Emergency Telephone

Steven David: 0417 992 970

### 2. HAZARDS IDENTIFICATION

Hazchem Code: None allocated  
Dangerous Goods: None allocated  
Safety phrases: Keep out of reach of children  
Avoid contact with eyes  
Hazard category: There have been no reports in the literature of health effects in workers arising from long term exposure to this substance.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Cas Number	EC Number	Content
Peat	N/A	N/A	100%

### 4. FIRST AID MEASURES

Inhalation: Not a volatile pellet. If inhaled, blow out and move to fresh air. If not breathing give artificial respiration. If breathing difficult give oxygen. Seek medical attention.  
Ingestion: Small quantities not harmful. If swallowed, washout mouth with water provided person is conscious. Call physician. Large quantities can cause gastrointestinal irritation.

Eye: Dust may cause mild eye irritation similar to soap. Immediately flush eyes with water for at least 15 minutes. Seek medical attention.  
Skin: Mild irritant, slippery feel, similar to soap. Wash off with water immediately.  
First Aid Facilities: Ensure eye bath readily available and normal washroom facilities.  
Advice to Doctor: Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Extinguishing Media: Water, carbon dioxide or appropriate foam. Fire fighters should wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Fire/Explosion Hazard: Non-flammable alkali based product that can only ignite with assistance. Product may decompose producing toxic fumes of carbon monoxide, carbon dioxide, or nitrogen oxide. Hazardous polymerization will not occur.

## 6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal: Clean up and dilute stains with water.

## 7. HANDLING AND STORAGE

Storage: Store in sealed bags in a cool area out of direct sunlight. Store below 40°C and above -10°C.

Handling: Before use carefully read product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene including washing hands before eating.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However as with all chemicals exposure to concentrate should be kept to the least possible level. There have been no reports in the literature of health effects in workers arising from long term exposure to this substance.  
Respiratory Protection: Where an inhalation risk exists, wear dust masks or respirator.  
Eye Protection: Wear chemical safety goggles.  
Hand Protection: Wear rubber gloves.  
Body Protection: Overalls recommended when handling pellets.  
Engineering Controls: Use in a ventilated area to keep dust below nuisance limit of 15mg/m<sup>3</sup>.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark brown to black coloured hard shiny pellets  
pH: 9.5 - 11  
Solubility in Water: 87%  
Density (kg/l): 1.1-1.15  
Physical State: Granule  
Flash Point: Not relevant  
Flammability: N/A  
Ingredients: Water, Humic Peat, Dilute Alkali, Canola Oil

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling.  
Hazardous decomposition products: None known.  
Hazardous reaction: Not a fire hazard. Non-flammable peat based product. It can only ignite if dried

Asphyxiation Hazard: to a powder and in a large fire.  
Not a volatile pellet. No harmful gases emitted unless dried powder is ignited in large amounts.

## 11. TOXICOLOGICAL INFORMATION

Toxicology Information: None known or anticipated if used according to directions.  
Inhalation: Ventilation to keep dust below nuisance limit of 15mg/m<sup>3</sup>.  
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.  
This product improves soil health so likely to be beneficial to soil.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, EPA , state and local regulations. Assure conformity with all applicable regulations.  
Dilute and wash away with large amounts of water typically acceptable.

## 14. TRANSPORT INFORMATION

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.

Contact point Steven David 08 9388 3623