

# Organic Farming Systems

(Sustainable Ventures Pty Ltd ACN 076 001 100)

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Material Safety Data Sheet  
Issue Date: 30/07/15

## Product Name: Humus 100

Not classified as hazardous according to criteria of NOHSC

### 1. IDENTIFICATION

Product Name: Humus 100  
Other Names: Potassium humic acid

### 2. COMPOSITION/ INGREDIENTS

Ingredients: Potassium humate  
CAS Number: 68514-28-3  
Proportion: >80%

### 3. HAZARDS IDENTIFICATION

Hazchem Code: Non 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.

### 4. FIRST AID MEASURES

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing difficult give oxygen.  
Ingestion: May be harmful by ingestion. If swallowed, washout mouth with water provided person is conscious. Call physician. Large quantities can cause gastrointestinal irritation.  
Eye: May cause mild eye irritation. Immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention.  
Skin: Mild irritant. Wash off with copious quantities of 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:** Dilute with water. A spill may create a slippery surface. Mop up spills and dispose in appropriate land fill or according to Federal, State and Local regulations. Non-toxic and non-corrosive.

## 7. HANDLING AND STORAGE

**Storage:** Store in sealed containers in a cool area out of direct sunlight.

## 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.

**Respiratory Protection:** Wear approved respirator. Wash thoroughly after handling.

**Eye Protection:** Wear chemical safety goggles.

**Hand Protection:** Wear rubber gloves.

**Body Protection:** Not required.

**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:** Black crystalline granular/powder

**pH:** 9.5 - 10

**Solubility in Water:** Min 95%

**Specific Gravity:** N/A (water =1)

**Physical State:** Powder/granule

**Flash Point:** Not relevant

**Flammability:** N/A

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and handling.

**Incompatibility:** Solutions with pH below 3

**Hazardous decomposition products:** None known.

**Hazardous reaction:** Not a fire hazard.

## 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.

### 13. DISPOSAL CONSIDERATIONS

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

### 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. 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.

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