

Sustainable Farming Solutions

(Sustainable Ventures Pty Ltd ACN 076 001 100)



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Safety Data Sheet
Issue Date: 13/09/18

Product Name: Humus 100

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

Product Name: Humus 100
Other Names: Potassium humic acid

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/ INGREDIENTS

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

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.

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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/m³.

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/m³.

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. 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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