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# SAFETY DATA SHEET – U.S. DEPARTMENT OF LABOR

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May be used to comply with Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200, Standard must be consulted for specific requirements (non-mandatory form) Form Approved OMB No. 1218-0072

Date Prepared: 01-15-14

Date Revised: 02-23-2017

## Section 1: Identification of the Substance/Preparation and of the Company/Undertaking

### 1.1 Product Identifier

**Trade Name:** 1 Seed Treatment (for conventional use)

**Synonyms:** Humic Acid, Potassium Salt

### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against It

**Recommended Uses:** Plant Nutrition

**Inadvisable Uses:** None

### 1.3 Details of the Distributor of the Safety Data Sheet

**Distributed By:** SoilBiotics

2902 W State Route 17

Kankakee, IL 60901

815-929-1752

Country: United States

### 1.4 In Case of Emergency: Infotrac at 800-535-5053

## Section 2: Hazards Identification

### 2.1 Classification of the Substance or Mixture:

**CLP Classifier- Other Information:** This Product Does Not Have to be Classified.

**2.2 Label Elements:** N/A

**2.3 Other Hazards:** N/A

**2.4 OSHA PEL:** None known

**2.5 ACGIH TLV:** None known

**2.6 GHS Label Elements:** Non-Regulated Material

## Section 3: Composition/Information on Ingredients

### 3.2 Mixtures

Substance	CAS No	EC No	REACH Reg No	Concentration	Notes	DSD- Classification	CLP - Classification	
Proprietary								

Please see Section 16 for the full text of R-Phrases and H-Phrases

## Section 4: First Aid Measures

#### 4.1 Description of First Aid Measures

**Inhalation:** Seek fresh air, wash out mouth with water and blow nose thoroughly.

**Ingestion:** Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

**Skin Contact:** Wash the skin with water. Remove contaminated clothing.

**Eye Contact:** Flush with water (preferably using eye wash equipment) until irritation subsides.

Seek medical advice if symptoms persist.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed: None known

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed: None

### Section 5: Fire-Fighting Measures

5.1 Special Fire Fighting Procedures: None

5.2 Fire and Explosion Hazards: None

5.3 Suitable Extinguishing Media: N/A

5.4 Unsuitable Extinguishing Media: N/A

### Section 6: Accidental Release Measures

6.1 Personal Precautions: Use personal protection recommended in Section 8.

6.2 Environmental Precautions: Avoid infiltration of large quantities into drains, surface water, ground water and soil.

6.3 Methods and Material for Containment and Clean Up: Sweep up/collect spills for possible reuse  
Or transfer to suitable waste containers.

6.4 Reference to Other Sections:

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

### Section 7: Handling and Storage

7.1 Precautions for Safe Handling: No special requirements. Avoid contact with skin and eyes.

7.2 Storage: Recommended that product not be subject to freezing.

### Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters:

**Occupational Exposure Limit:** Contains no substances subject to reporting requirements.

8.2 Exposure Controls:

**Appropriate Engineering:** Provide sufficient ventilation during operations which cause vapour formation

**Personal Protective Equipment:**

**Eye Protection:** Wear safety goggles if there is a risk of eye splash.

**Hand Protection:** Wear Gloves.

**Skin Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Not Required

### Section 9: Physical and Chemical Properties

**9.1 Physical State/Appearance/Odor:** Brown Liquid with slight odor.

**9.2 Information on Basic Physical and Chemical Properties:**

Parameter	Value/Unit	Remark
pH (solution for use)	9	(3% Soln.)
pH (concentrate)		Not Applicable
Melting Point		Not Applicable
Initial Boiling Point	104C/215F	
Freezing Point	-2C/28F	
Flash Point		Not Applicable
Evaporation Rate	0.4	Water
Flammability (solid, gas)		Not Applicable
Flammability Limits		Not Applicable
Explosion Limits		Not Applicable
Vapour Pressure	14.2 mmHg	20C/68F
Vapour Density	1.21	20C/68F
Relative Density	1.138	Specific Gravity (25C/77F)
Partition Coefficient N-Octanol/Water		100% Water
Auto-Ignition Temperature		Not Applicable
Decomposition Temperature		Not Applicable
Viscosity	< 100 cSt	
Odour Threshold	ppm	Not Applicable
% Volatiles by Weight	80 (water)	
Bulk Density (g/ml)		Not Applicable
Dry Matter, %		None Known
Solubility in Water	100% Soluble	

## Section 10: Stability and Reactivity

- 10.1 **Reactivity:** Not Reactive
- 10.2 **Chemical Stability:** Stable
- 10.3 **Possibility of Hazardous Reactions:** None Known
- 10.4 **Conditions to Avoid:** None Known
- 10.5 **Incompatible Materials:** Strong Oxidizers
- 10.6 **Hazardous Decomposition Products:** None Known
- 10.7 **Hazardous Polymerization:** Will Not Occur

## Section 11: Toxicological Information

### 11.1 Information on Toxicological Effects:

Acute Toxicity – Oral  
Humic Acid, Potassium Salt

Organism	Test Type	Exposure Time	Value	Conclusion	Test Method	Source	
Rat	LD50		>5000mg/kg				

Based on existing data, the classification criteria are deemed not to have been met.

**Skin Corrosion/Irritation:** May cause slight irritation

**Serious Eye Damage/Eye Irritation:** May cause slight irritation

**Respiratory Sensitization or Skin Sensitization:** None known

**Germ Cell Mutagenicity:** Based on existing data, the classification criteria are deemed not to have been met.

**Carcinogenic Properties:** The product does not have to be classified.

## Section 12: Ecological Information

### 12.1 Toxicity

12.2 **Persistence and Degradability:** Potentially degradable.

12.3 **Bioaccumulative Potential:** No bioaccumulation expected

12.4 **Mobility in Soil: Solubility in water:** Completely miscible

12.5 **Results of PBT and vPvB Assessment:** This product does not contain any PBT or vPvB substances.

12.6 **Biological Oxygen Demand (BOD):** Not known

12.7 **Chemical Oxygen Demand (COD):** Not known

12.8 **Other Adverse Effects:** None known

## Section 13: Disposal Considerations

13.1 **Waste Treatments Methods:** This product is not to be considered Hazardous Waste.  
Dispose of in accordance with Local Authority requirements.

## Section 14: Transport Information

- 14.1 UN-No:** Not applicable
- 14.2 UN Proper Shipping Name:** Class 50
- 14.3 Transport Hazard Class(es):** Not applicable
- 14.4 Packaging Group:** Not applicable
- 14.5 Environmental Hazards:** Not applicable
- 14.6 Special Precautions for User:** None
- 14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:** Not applicable

**Other Information: Harmonized Tariff Code for US:** 2702.10.0000

### Section 15: Regulatory Information

- 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**
  - Special Provisions:** ADR/RID (2007) ECHA FAQ 7.7. GHS/CLP (EC NO1272/2008) GHS USA June, 2015.
  - Authorizations / Limitations:** Global Inventory Status
- 15.2 Chemical Safety Assessment:** This product does not have to be classified.

### Section 16: Other Information

- 16.1 HMIS Rating (0-4):** Health=1 Fire=0 Reactivity=0 Special=0

### Prepared by: SoilBiotics

The information and recommendations contained herein are offered as a service to our customers but are not intended to relieve the user from its responsibility to investigate and understand pertinent sources of information and to comply with all laws and procedures applicable to the safe handling and use of these materials. The information and recommendations provided herein were believed by SoilBiotics to be accurate at the time of preparation or obtained from sources believed to be generally reliable. However, SoilBiotics makes no warranty concerning their accuracy and SoilBiotics will not be liable for claims relating to any party's use of reliance on information or recommendations contained herein, regardless of whether it is claimed that the information or recommendations are inaccurate, incomplete or otherwise misleading.