
SAFETY DATA SHEET – U.S. DEPARTMENT OF LABOR

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

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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

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