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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: 02 19 2019

Date Revised: 01-17-2020

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

### 1.1 Product Identifier

**Trade Name:** SoilBiotics Seed Start 200 (for conventional and organic use)

**Synonyms:** Humic Acid, Potassium Salt

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

**Recommended Uses:** Seed Treatment

**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

**1.1 In Case of Emergency:** USA, Canada, Mexico call Infotrac at 1-800-535-5053  
International call Infotrac at 1-352-323-3500

## Section 2: Hazards Identification

**2.1 This product is not considered to be hazardous to animals, plants, humans or the environment.**

The microbes have not been genetically modified. This product has very low oral, dermal, And inhalation toxicity.

**2.2 Possible Routes of Entry:** Ingestion, eyes and skin

**2.3 Potential Health Effects from Over-Exposure:**



Warning

**Acute:** Skin/Eye Irritation: Direct contact with skin or eyes may cause mild irritation

Inhalation: Not Applicable

Ingestion: May cause nausea and diarrhea

**Chronic:** Symptoms: Available data does not suggest any long term symptoms from exposure

Aggravation: Available data does not suggest any aggravation of existing conditions

**Notes:** In the unlikely event that over-exposure occurs, follow first aid measures in section 4.

## 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

Remove from source of exposure. If irritation or other signs continue, then seek medical attention.

**Eyes:** Remove contact lenses if present and flush with water for 15 minutes.

**Skin:** Remove contaminated clothing. Wash thoroughly with soap and rinse with water.

**Ingestion:** Do not induce vomiting. Give water if able to swallow.

**Note to Physician and First Aid Providers:** This product has low oral, dermal and inhalation toxicity.

Direct contact with eyes may cause temporary irritation. Provide symptomatic and supportive care as necessary.

## Section 5: Fire-Fighting Measures

**5.1 General:** Use methods and protective gear that are appropriate for the conditions and size of fire.

**5.2 Extinguishing Media:** Use appropriate media for underlying cause and combustibles involved in the fire.

**5.2 special Equipment:** Self-contained breathing apparatus and full protective gear according to the Conditions and size of the fire.

**Notes:** This material is not explosive and does not constitute a fire hazard

## Section 6: Accidental Release Measures

**6.1 Personal Precautions:** Wear suitable protective clothing such as long-sleeve shirt, pants, water proof gloves and

shoes with socks.

**6.2 Methods for Clean Up:** Carefully mop or sweep up spill and place in a closed container for disposal. Rinse area with water.

**6.3 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:** Use handling procedures that minimize exposure to the product.

**7.2 Storage:** Store in a cool location in original container. Recommended that product not be subject to freezing.

**Notes:** Avoid contact with skin, eyes and clothing. Wash any contamination from skin or eyes immediately. Wash hands and exposed skin before eating, drinking, smoking or using the toilet.

## Section 8: Exposure Controls/Personal Protection

**8.1 Control Parameters:** Protective clothing should be selected according to the conditions likely to be Encountered in the workplace. Ensure good ventilation. No exposure limits have been established.

**8.2 Engineering Controls:** There are no specific engineering controls for this product.

**8.3 Personal Protective Equipment:**

**Respiratory Protection:** If liquid is sprayed, used an approved droplet mask.

**Eye/Face Protection:** Chemical safety goggles or safety glasses with side shields.

**Hand/Skin Protection:** Impermeable gloves of neoprene, vinyl, rubber or nitrile may be used to avoid contact.

**Other Clothing:** Wear suitable protective clothing such as long-sleeve shirt, pants and shoes with socks.

**Hygienic Practices:** Wash hands and exposed skin before eating, drinking, smoking or using the toilet.

## 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)		
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(Air = 1)	1.21	20C/68F
Relative Density	1.109	Specific Gravity(25C/77F)

Partition Coefficient N-Octanol/Water		100% Water
Auto-Ignition Temperature		Not Applicable
Decomposition Temperature		Not Applicable
Viscosity	< 600 cSt	
Odour Threshold	ppm	Not Applicable
Solubility in Water	100% Soluble	
% Volatiles By Weight	80 (Water)	
Bulk Density (g/ml)		Not Applicable

## 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

**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:** 3804.00.1000-0

## 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.