

# 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: 02-27-14

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

### 1.1 Product Identifier

**Trade Name:** SoilBiotics PH K (for conventional and organic use)

**Synonyms:** Humates(also used: Humus, Oxidized Lignite, Leonardite)

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

**Recommended Uses:** Soil Nutrition

**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

## Section 2: Hazards Identification

### 2.1 Classification of the Substance or Mixture:

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

## Section 3: Composition/Information on Ingredients

### 3.1 Mixtures

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

## 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.

May aggravate existing conditions: emphysema, allergies or upper respiratory illnesses

**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 any 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 Flash Point:** 400 C for dust

**5.2 Flammable Limits:** LEL: 0.2 oz/cu ft

UEL: 3.5 oz/cu ft

**5.3 Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemical, alcohol-type or universal-type foams.

- 5.4 **Special Fire Fighting Procedures:** Using appropriate breathing apparatus and protective clothing.  
 5.5 **Unusual Fire and Explosion Hazards:** Flammable solids may provide conditions for dust explosion

## Section 6: Accidental Release Measures

- 6.1 **Personal Precautions:** Use personal protection recommended in Section 8.  
 6.2 **Environmental Precautions:** None  
 6.3 **Methods for clean up:** Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

## Section 7: Handling and Storage

- 7.1 **Precautions for Safe Handling:** No special precautions.  
 7.2 **Storage:** Store in cool and DRY place to prevent product reacting in bag.

## Section 8: Exposure Controls/Personal Protection

- 8.1 **Exposure Controls:** Local Exhaust – If in enclosed area.  
 8.3 **Personal Protective Equipment:**  
**Respiratory Protection:** Wear NIOSH-approved respirator if dust is present.  
**Hand Protection:** Clothing/footwear: wear protective clothing as need to prevent but not limited to skin irritation  
**Eye Protection:** Particulate approved safety glasses.  
**Work/Hygienic Practices:** Good housekeeping to minimize dust

## Section 9: Physical and Chemical Properties

- 9.1 **Physical State/Appearance/Odor:** Dark Reddish Brown to Black Particles and/or Dust. No odor.  
 9.2 **Information on Basic Physical and Chemical Properties:**

| Parameter                             | Value/Unit        | Remark                    |
|---------------------------------------|-------------------|---------------------------|
| pH                                    | 8.5               |                           |
| Solubility in Water                   | 70%               | Slightly Soluble in Water |
| Bulk Density (g/ml)                   | 45-46 lbs./cu.ft. | PH K 100                  |
| Bulk Density (g/ml)                   | 46-47 lbs./cu.ft. | PH K 150                  |
| Bulk Density (g/ml)                   | 47-48 lbs./cu.ft. | PH K 200                  |
| Specific Gravity (H <sub>2</sub> O=1) | 1.6-1.8           |                           |

## Section 10: Stability and Reactivity

- 10.1 **Chemical Stability:** Stable  
 10.2 **Incompatible Materials:** None  
 10.3 **Hazardous Decomposition of Byproducts:** Sulfur dioxide, carbon dioxide, carbon monoxide  
 10.4 **Possibility of Hazardous Reaction:** None  
 10.5 **Conditions to Avoid:** Contact with Urea and strong oxidizing agents

## Section 11: Toxicological Information

- 11.1 **Product is non-toxic – a naturally occurring substance.**  
 11.2 **Symptoms related to the Physical, Chemical and Toxicological Characteristics:** May cause slight irritation to eyes and skin

**11.3 Delayed, Immediate and Chronic Effects from Short/Long Term Exposure:** May aggravate existing medical health conditions

## Section 12: Ecological Information

### Product/Similar Product

**12.1 Persistence and Degradability:** N/A

**Bio Accumulative potential:** None

**Other Adverse Effects:** None

**12.2 Mobility in Soil:** Organic Matter

## 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. Recommend to clean up with a shop vac, shovel, broom/dust pan and dispose of in a landfill or agricultural application.

## Section 14: Transport Information

**14.1 UN Proper Shipping Name:** not regulated by DOT, IATA, IMDG

**14.2 Freight Class:** 50

**14.3 Transport Hazard Class(es):** N/A

**14.5 Special Precautions:** Personal hygiene, daily changing clothing that touches skin.

**14.6 Harmonized Tariff Code for US:** 2702.10.1000

## Section 15: Regulatory Information

**Safety, Health and Environmental Regulations:** None

## Section 16: Other Information

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

## Prepared by: SoilBiotics

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