

# 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:** Granular product which may increase or enhance the uptake of nutrients

**Inadvisable Uses:** None Known

#### 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

This product is not classified according to the Global Harmonizing System (GHS)

**2.1 Hazardous Components:** None

**2.2 GHS Label Elements:**



**WARNING**

**MAY BE HARMFUL IF SWALLOWED**

**MAY IRRITATE SKIN**

**MAY IRRITATE EYES**

Precautionary Statements:

- If Ingested: Wash out mouth thoroughly and seek medical attention.
- If Contact with skin: Wash with soap and water – Remove contaminated clothing
- If Contact with Eyes: Flush with water
- If Any Irritations Persist: Seek medical attention

## 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 Routes of Exposure:

Inhalation: Yes    Skin: No    Eye Contact: Yes    Ingestion: Yes

### 4.2 Description of First Aid Measures

**Inhalation:** Supply with fresh air. If necessary give CPR or call 911.

**Eye Contact:** Washed with approved eye wash.

**Ingestion:** Rinse mouth, drink 1 to 2 glasses water.

If symptoms persist seek medical attention. Treat symptoms systematically.

## Section 5: Fire-Fighting Measures

**5.1 Special Fire Fighting Procedures:** When heated to dryness/decomposition, will emit toxic carbon monoxide, carbon dioxide.

**5.2 Fire and Explosion Hazards:** None

**5.3 Suitable Extinguishing Media:** Water, foam, CO<sub>2</sub> or dry chemicals using water spray to cool packaging exposed to heat of fire.

## 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 Control Parameters:** This product does not contain any relevant quantities of hazardous material which have to be Measured at the work place.

**8.2 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.

## 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	NA	

Melting/Boiling Point		Not Applicable
Flash Point		Not Applicable
Evaporation Rate		Not Applicable
Flammability (solid)		Not Applicable
Auto Ignition Temperature		Not Applicable
Decomposition Temperature		Not Applicable
Solubility in Water	Slightly Soluble in Water	
Bulk Density (g/ml)	50 LBS/Cubic Ft	
Specific Gravity (H <sub>2</sub> O=1)		Not Applicable
Dry Matter		
Vapor Pressure	NA	
Evaporation Rate	NA	
Vapor Density	NA	
% Volatile	NA	

## Section 10: Stability and Reactivity

**10.1 Chemical Stability:** N/A

**10.2 Incompatible Materials:** Urea, strong oxidizers

**10.3 Hazardous Decomposition Products:** when heated to a dryness/decomposition, toxic oxides of carbon with trace or ultra trace toxic oxide amounts of sulfur, potassium, iron, manganese, magnesium, calcium, zinc, and sodium

**10.4 Possibility of Hazardous Reaction:** None

**10.5 Conditions to Avoid:** None Known

## 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 considered to be Hazardous Waste.  
Dispose of in accordance with Local Authority requirements.

## Section 14: Transport Information

**14.1 UN-No:** N/A

**14.2 UN Proper Shipping Name:** Humates (Humus, Oxidized Lignite, Leonardite)

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

**14.4 Marine Pollutant:** No

**14.5 Special Precautions:** None

**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=0 Reactivity=0 Special=0

## Prepared by: SoilBiotics

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