

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

Date Revised: 02 13 2021

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

1.1 Product Identifier

Trade Name: SoilBiotics PH K 200 (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, CO₂, 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 ₂ 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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