

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: 09-16-2026

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)	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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