
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: 01-15-14

Date Revised: 02-23-2017

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

1.1 Product Identifier

Trade Name: SoilBiotics Organic 1r Seed Treatment (for organic use)

Synonyms: Humic Acid, Potassium Salt

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

Recommended Uses: Plant Nutrition

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

1.4 In Case of Emergency: Infotrac at 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.

2.2 Label Elements: N/A

2.3 Other Hazards: N/A

2.4 OSHA PEL: None known

2.5 ACGIH TLV: None known

2.6 GHS Label Elements: Non-Regulated Material

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

Inhalation: Seek fresh air, wash out mouth with water and blow nose thoroughly.

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 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 Special Fire Fighting Procedures: None

5.2 Fire and Explosion Hazards: None

5.3 Suitable Extinguishing Media: N/A

5.4 Unsuitable Extinguishing Media: N/A

Section 6: Accidental Release Measures

6.1 Personal Precautions: Use personal protection recommended in Section 8.

6.2 Environmental Precautions: Avoid infiltration of large quantities into drains, surface water, ground water and soil.

6.3 Methods and Material for Containment and Clean Up: Sweep up/collect spills for possible reuse
Or transfer to suitable waste containers.

6.4 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: No special requirements. Avoid contact with skin and eyes.

7.2 Storage: Recommended that product not be subject to freezing.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters:

Occupational Exposure Limit: Contains no substances subject to reporting requirements.

8.2 Exposure Controls:

Appropriate Engineering: Provide sufficient ventilation during operations which cause vapour formation

Personal Protective Equipment:

Eye Protection: Wear safety goggles if there is a risk of eye splash.

Hand Protection: Wear Gloves.

Skin Protection: Wear suitable protective clothing.

Respiratory Protection: Not Required

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) | 2-3 | |
| pH (concentrate) | | Not Applicable |
| 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.