

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

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SAFETY DATA SHEET
Potassium Humate Shiny Flakes

1. Identification of the Substance and Supplier

- **Product Name:** Potassium Humate Shiny Flakes
- **Chemical Name:** Potassium Salt of Humic Acid
- **CAS Number:** 68514-28-3
- **EC Number:** Not available
- **Molecular Formula:** Variable (complex mixture of organic acids)
- **Intended Use:** Soil conditioner, plant growth promoter, organic fertilizer enhancer in agriculture and horticulture
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

2. Hazard Identification

- **Classification (GHS):**
 - Not classified as hazardous under GHS guidelines
- **Signal Word:** None
- **Hazard Statements:**
 - No significant hazards under normal handling and usage conditions.
- **Precautionary Statements:**
 - P264: Wash hands thoroughly after handling.
 - P270: Do not eat, drink, or smoke when using this product.
 - P280: Wear gloves and eye protection when handling large amounts.
- **Other Hazards:**
 - May cause mild irritation to the eyes and skin in sensitive individuals.
 - Non-toxic and biodegradable under standard environmental conditions.

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3. Composition/Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Potassium Humate	68514-28-3	≥ 90%
Inert Components (Water & Trace Minerals) -		≤ 10%

4. First-Aid Measures

- **Inhalation:** Move the person to fresh air. If breathing difficulties occur, seek medical attention.
 - **Skin Contact:** Wash thoroughly with soap and water. If irritation develops, seek medical attention.
 - **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present. Seek medical advice if irritation persists.
 - **Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed by a healthcare professional. Seek medical attention if symptoms occur.
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5. Fire-Fighting Measures

- **Extinguishing Media:** Use water spray, foam, dry chemical powder, or carbon dioxide.
 - **Special Hazards:** May emit carbon oxides upon combustion.
 - **Protective Equipment:** Firefighters should wear full protective clothing and a self-contained breathing apparatus (SCBA).
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6. Accidental Release Measures

- **Personal Precautions:** Wear appropriate personal protective equipment (PPE) such as gloves and goggles. Avoid dust formation.
 - **Environmental Precautions:** Prevent large spills from entering waterways, drains, or soil.
 - **Cleanup Methods:** Sweep up the material carefully to avoid creating dust and place in suitable containers for disposal in accordance with local regulations.
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7. Handling and Storage

- **Handling:** Avoid inhaling dust and contact with skin or eyes. Use appropriate PPE and maintain good hygiene practices.
- **Storage:** Store in a cool, dry, and well-ventilated area. Keep away from moisture, strong acids, and direct sunlight.

8. Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** No specific exposure limits established.
- **Engineering Controls:** Provide adequate ventilation to minimize dust exposure.
- **Personal Protective Equipment (PPE):**
 - **Respiratory Protection:** Use a dust mask if airborne dust is generated.
 - **Hand Protection:** Chemical-resistant gloves.
 - **Eye Protection:** Safety goggles.
 - **Skin Protection:** Protective clothing if prolonged exposure is anticipated.

9. Physical and Chemical Properties

Property	Value
Appearance	Shiny black flakes
Odor	Earthy, organic odor
pH (1% solution)	9.0–11.0
Solubility in Water	Highly soluble
Melting Point	Not applicable
Boiling Point	Not applicable
Density	~0.8–1.2 g/cm ³

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Property	Value
Vapor Pressure	Negligible
Flash Point	Not applicable

10. Stability and Reactivity

- **Stability:** Stable under normal storage and handling conditions.
- **Incompatible Materials:** Strong oxidizing agents and strong acids.
- **Hazardous Decomposition Products:** May release carbon oxides upon thermal decomposition.
- **Conditions to Avoid:** Excessive heat, moisture, and strong oxidizers.

11. Toxicological Information

- **Acute Oral Toxicity (LD50):** >5000 mg/kg (rat, non-toxic)
- **Acute Dermal Toxicity:** Not classified
- **Inhalation Toxicity:** Not classified
- **Skin Irritation:** May cause mild irritation in sensitive individuals
- **Eye Irritation:** May cause mild eye irritation
- **Sensitization:** Not classified as a sensitizer
- **Chronic Toxicity:** No known long-term adverse effects

12. Ecological Information

- **Ecotoxicity:** Non-toxic to aquatic and terrestrial organisms
 - **Persistence and Degradability:** Biodegradable
 - **Bioaccumulative Potential:** Low
 - **Mobility in Soil:** High due to water solubility
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13. Disposal Considerations

- **Waste Disposal:** Dispose of in accordance with local, national, and international regulations. Non-hazardous waste.
 - **Contaminated Packaging:** Dispose of packaging as non-hazardous waste following local regulations.
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14. Transport Information

UN Number Not classified

Proper Shipping Name Not applicable

Transport Hazard Class Not applicable

Packing Group Not applicable

Environmental Hazards None

15. Regulatory Information

- **Regulatory Status:** Complies with relevant national and international regulations.
 - **GHS Label Elements:**
 - Hazard Pictograms: None
 - Signal Word: None
 - Risk Phrases: None
 - Safety Phrases: P264 (Wash hands thoroughly after handling)
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16. Other Information

- **Disclaimer:** The information provided in this document is believed to be accurate as of the date of publication. No warranty is made regarding its completeness or accuracy. Always refer to local regulations before handling or disposing of this product.