

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 Fulvate (Fulvic Acid Supergrade)

1. Identification of the Substance and Supplier

- **Product Name:** Potassium Fulvate (Fulvic Acid Supergrade)
- **Chemical Name:** Potassium Salt of Fulvic Acid
- **CAS Number:** 479-66-3 (Fulvic Acid)
- **EC Number:** Not available
- **Molecular Formula:** Variable (complex mixture of organic compounds)
- **Intended Use:** Soil conditioner, plant growth stimulant, nutrient supplement for 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 known significant effects or critical hazards under normal conditions of use.
- **Precautionary Statements:**
 - P264: Wash hands thoroughly after handling.
 - P270: Do not eat, drink, or smoke when using this product.
 - P280: Wear protective gloves and eye protection when handling large quantities.
- **Other Hazards:**
 - May cause mild irritation to eyes and skin in sensitive individuals.
 - Non-toxic and biodegradable under normal environmental conditions.

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3. Composition/Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Fulvic Acid (Potassium Salt)	479-66-3	≥ 90%
Potassium Compounds	7447-40-7	≤ 10%

4. First-Aid Measures

- **Inhalation:** Move person to fresh air if dust is inhaled. Seek medical attention if symptoms persist.
 - **Skin Contact:** Wash affected area thoroughly with soap and water. Seek medical attention if irritation occurs.
 - **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present. Seek medical attention 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 safety goggles. Avoid inhalation of dust.
- **Environmental Precautions:** Prevent large spills from entering waterways or drains.
- **Cleanup Methods:** Sweep up material carefully to avoid creating dust and collect in an appropriate container for disposal in accordance with local regulations.

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7. Handling and Storage

- **Handling:** Avoid generating dust. Use appropriate PPE and maintain good industrial hygiene practices.
- **Storage:** Store in a cool, dry, and well-ventilated area. Keep container tightly closed and away from moisture, strong oxidizers, and direct sunlight.

8. Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** No specific exposure limits established.
- **Engineering Controls:** Use appropriate 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 to prevent skin contact.

9. Physical and Chemical Properties

Property	Value
Appearance	Fine brown to black powder
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, strong acids.
- **Hazardous Decomposition Products:** May release carbon oxides upon thermal decomposition.
- **Conditions to Avoid:** Excessive heat, moisture, and strong oxidizing agents.

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 slight eye irritation
- **Sensitization:** Not classified as a sensitizer
- **Chronic Toxicity:** No significant long-term effects observed

12. Ecological Information

- **Ecotoxicity:** Non-toxic to aquatic and terrestrial life
 - **Persistence and Degradability:** Biodegradable
 - **Bioaccumulative Potential:** No bioaccumulative potential
 - **Mobility in Soil:** High due to solubility in water
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13. Disposal Considerations

- **Waste Disposal:** Dispose of according to local, national, and international regulations. Non-hazardous waste.
 - **Contaminated Packaging:** Dispose of packaging as non-hazardous waste according to 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 in this document is believed to be accurate at the time of publication. No warranty is made regarding its accuracy or completeness. Always refer to local regulations before handling or disposing of this product.