



ULINK AGRITECH PRIVATE LIMITED
MATERIAL SAFETY DATA SHEET: ROOT POWER FLOW

1: IDENTIFICATION

Chemical Name	Humic Acid	Trade Name	ROOT POWER FLOW
Synonyms	Humic Acid 6% (Liquid)		
Uses	Biostimulant	Molecular Formula	C ₉ H ₈ K ₂ O ₄
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Ingredient Name: Humic acid (as Potassium humate obtained from Leonardite mineral source) per cent. by weight, minimum: 6.0
Water per cent. by weight: QS

Hazardous Components: None

3: HAZARD IDENTIFICATION

Non-hazardous. This product does not require special labelling.

4: FIRST AID MEASURES

General: Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.
Inhalation: If fumes or combustion products breathed in, move person to fresh air. If not breathing, give artificial respiration. Immediately seek medical attention if symptoms are severe or persist.
Ingestion: Rinse mouth with water thoroughly and give water to drink. Never give anything by mouth to an unconscious person. Seek medical attention immediately if feeling unwell.
Skin Contact: In case of contact with product, wash immediately skin area with plenty of water and soap. Remove and isolate contaminated clothing and shoes.
Eye Contact: Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.
Note to Physician: No specific Antidote. Treat symptomatically.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, foam, fog, dry chemical or carbon dioxide

Specific Hazard: None identified.

Hazardous Thermal (de)composition: The decomposition products are carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

Special Procedures: Do not discharge extinguishing water into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Move containers away from area if it can be done without risk. If possible without risk, remove containers from fire zone, cool with water spray. Dike area to prevent water runoff.

Protection of Fire Fighters: Use self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable eye and foot protection and rubber gloves.

Environmental Precaution: Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

Methods for Cleaning-up: Soak up spilled product with absorbent non-combustible material such as sand or soil. Collect and transfer into waste disposal containers. Clean contaminated floors and objects thoroughly with water and detergents. Dispose of in accordance with local regulations.

7: HANDLING & STORAGE

Handling: Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with mild soap and water before and after handling material. Avoid contact with eyes and skin. Do not inhale spray mist. Wash clothing and equipment before reuse. Good personal hygiene procedures must be practiced.

Storage: Store in dry, cool, well-ventilated area. Keep in original container and tightly closed when not in use. Keep product away from children, seeds, fertilizer, foods and animal feeds.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Avoid creating dust. Ensure adequate ventilation, especially in confined spaces. Handle in accordance with good industrial hygiene and safety practice.

General Protection: Avoid contact with eyes and skin. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: No respiratory protection required during normal handling except in misting conditions where a dust/mist respirator is recommended.

Skin Protection: No special personal protection required under conditions of intended use. In the event of a bulk spill, wear appropriate protective clothing.

Hand Protection: Wear suitable chemical protection gloves. Check leak-tightness/impermeability prior to use. Before reuse, clean and air them well.

Eye Protection: Safety glasses fitted with side shields must be worn at all times during the handling. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Black Liquid	Boiling Point [°C]: 104	Solubility in Water: Soluble	Specific Gravity (H ₂ O): 1.0 -1.2
Colour: Black	pH Value: 6.5- 11.0	Melting Point [°C]: -7	Odour : Odourless

10: STABILITY & REACTIVITY

Stability: Stable under normal circumstances. **Conditions to Avoid:** No data available. **Material to Avoid:** Strong oxidising agents and chlorine
Hazardous Decomp. Products: Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, ammonia. **Hazardous Polymerization:** Will not occur

11: TOXICOLOGICAL INFORMATION

Toxicity Data: None established

Routes of Exposure: Lung (breathing), ingestion (swallowing), skin and eye contact.

Symptoms of Overexposure: Dizziness and headache, nausea and vomiting, eye irritation.

Reproductive Effects: None identified

Acute Effects: Cause eye and skin irritation

Carcinogenicity: NTP: No; IARC: No; ZLIST: No; OSHA Reg: No

OSHAPEL: None established **STEL:** None established **TLV:** None established

12: ECOLOGICAL INFORMATION

Ecotoxicity: Plant nutritional supplement and plant vitamin; high concentrations may cause burn of plants.

Persistence/Degradability: No data available

Bioaccumulative Potential: Product is not expected to bioaccumulate

Environmental: Large quantities should not be discharged into waterways, drains, or sewers

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Not classified as hazardous waste. Dispose of this product only according to the label or in compliance with government requirements or local regulations. Do not contaminate drains, streams, rivers or waterways with the chemical or used container.

Contaminated Packaging: Completely emptied packages can be recycled or reused after cleaning and appropriate disposal of the cleaning agents. Handle contaminated packages in the same way as the substance itself.

14: TRANSPORT INFORMATION

Domestic (DOT): Chemicals, n.o.s. (non-regulated)

Shipping:International (IMO): Chemicals, n.o.s. (non-regulated) Marine Pollutants: No

Air (ICAO): Chemicals, n.o.s. (non regulated)

15: REGULATORY INFORMATION

SARA Title III Hazards List:	Acute: No Chronic: No	Flammability: No Pressure: No	Reactivity: No
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Extremely Hazardous Substance: No **SARA313 Toxic Chemicals:** No

CERCLA Hazardous Substance: No **TSCA Inventory:** No

16: OTHER INFORMATION

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