

Safety Data Sheet

Section 1. Identification

Product Name:

Roots Organics HPK

Recommended for use as a plant nutrient. Great for plants but do not breathe in, spill on, or feed to people or pets.

Company: Aurora Innovations post office box 22041 • Eugene, Oregon 97402 www.aurorainnovations.com

Phone: 866 376 8578 (toll free); Emergency Phone: 1 (800) 424-9300

Section 2. Hazard(s) identification

Hazardous components: None

Section 3. Composition

Chemical description: Soluble phosphate extracted from seabird guano and bat guano and langbeinite

Section 4. First Aid Measures

Inhalation: Remove to fresh air if breathing difficult. Blow nose and drink water to clear nasal passages and throat.

Eyes: Will irritate on contact, wash out quickly to remove particulate matter. Contact a physician if irritation persists.

Ingestion: Purge by vomiting if victim is conscious.

Skin: Wash with soap and water.

Signs/symptoms of exposure: Inhaling nuisance dust over long periods may cause congestion and irritation of the lungs and upper respiratory system; may overload lung clearance and make lungs vulnerable to respiratory disease. May aggravate medical conditions such as bronchitis, emphysema, asthma and upper respiratory and lung diseases.

Carcinogenicity: None known.

Section 5. Fire Fighting Measures and Explosion Information

Flash point	Not applicable
Flammable limits	Not determined
Extinguishing media	Water, CO2
Special fire fighting procedures	No special methods required
Special fire and explosion hazards	None known

Section 6. Accidental Release Measures

Contain spill to prevent discharge into the environment. Absorb spill with appropriate material and flush with water.

Section 7. Handling and Storage

Respiratory protection: Not normally needed. Remove to fresh air if breathing difficult.

Protective gloves/clothing: Rubber or plastic recommended if contact expected.

Eye protection: Chemical splash goggles recommended if splash hazard possible. Safety glasses suffice otherwise.

Work practices: Use good housekeeping practices. Keep containers tightly closed.

Ventilation: Typically none is required. Exhaust fan recommended if breathing difficult.

Incompatibility: Strong oxidizing agents

Section 8. Exposure controls/personal protection

Respiratory protection: Not normally needed. Remove to fresh air if breathing difficult.

Protective gloves/clothing: Rubber or plastic recommended if contact expected.

Eye protection: Chemical splash goggles recommended if splash hazard possible. Safety glasses suffice otherwise.

Work practices: Use good housekeeping practices. Keep containers tightly closed.

Ventilation: Typically none is required. Exhaust fan recommended if breathing difficult.

Waste disposal method: Package material for removal to an approved landfill, or dispose of as soil.

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance	Tan to brown thick liquid
b) Odor	Non-offensive chalky smell
c) Odor Threshold	No data available
d) pH	2.8-3.9
e) Melting/freezing point	No data available
f) Initial Boiling Point	Above 212 F
g) Flash Point	No data available
h) Evaporation Rate	No data available
i) Flammability	No data available
j) Upper/Lower Flammability or Explosive Limits	No data available
k) Vapor Pressure	No data available
l) Vapor Density	No data available
m) Relative density	No data available
n) Water Solubility	Completely Soluble
o) Partition coefficient: n- octanol/water	No data available
p) Auto-ignition Temperature	No data available
q) Decomposition Temperature	No data available
s) Explosive Properties	No data available
t) Oxidizing properties	No data available
u) Density	1.24 g/cm ³ at 21 °C (69.8 °F)

9.2 Other safety Information

No data available

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical Stability

Stable under recommended storage conditions

- 10.3 Possibility of hazardous reactions**
No data available
- 10.4 Conditions to Avoid**
No data available
- 10.5 Incompatible Materials**
Strong oxidizing agents
- 10.6 Hazardous Decomposition Products**
No data available- In event of a fire: see section 5
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11 Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity

No data available

Inhalation: No data available

Dermal: No data available

Ingestion: No data available

Skin corrosion/irritation

No data available

Serious eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater or equal to 0.1% is identified as a probable, possible or confirmed carcinogen by IARC.

ACGIH: No component of this product present at levels greater or equal to 0.1% is identified as a probable, possible or confirmed carcinogen by ACGIH.

NTP: No component of this product present at levels greater or equal to 0.1% is identified as a probable, possible or confirmed carcinogen by NTP.

OSHA: No component of this product present at levels greater or equal to 0.1% is identified as a probable, possible or confirmed carcinogen by IARC.

Reproductive Toxicity

No data available

Specific Target Organ Toxicity-Single Exposure

No data available

Specific Target Organ Toxicity-Repeated Exposure

No data available

Aspiration Hazard

No data available

Other information

To the best of our knowledge, the chemical, physical, and toxicological properties of this product have not been thoroughly tested.

12 Ecological Information

No data available

13 Disposal Considerations

Dispose of any unused product and packaging in accordance with all applicable local, state and federal regulations.

14 Transport information

DOT

Not dangerous goods

IMDG

Not dangerous goods
IATA
Not dangerous goods

15 Regulatory Information

SARA 302

No chemicals in this product are subject to the reporting requirement of SARA Title III, section 302

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, 313

16 Other Information

The information and data herein are believed to be accurate and have been compiled from sources believed to be current and reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risks of use, storage and handling of product in compliance with applicable federal, state and local laws and regulations.