

Safety Data Sheet

Section 1. Identification

Product Name:

Roots Organics Soilless

Recommended for use as a growing media. 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

Components may yield nuisance dust, also called "Particulates Not Otherwise Classified (PNOC) by ACGIH.

Nuisance dust	CAS	OSHA PEL		ACGIH TVL	
		Total	Respirable	Total	Respirable
Non-hazardous	N/A	15 mg/m ³	15 mg/m ³	10 mg/m ³	3 mg/m ³

Hazardous decomposition Ammonia may form if product is strongly heated or oxidized

Hazardous components Product not classified hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200, Health Hazard. Classified under ACGIH as Nuisance Dust or Particulates Not Otherwise Classified.

Section 3. Composition

Chemical description Basic soil type mix containing perlite, pumice, coir (coco fiber), compost and a natural and organic materials blend which physically is a loose organic matter and mineral combination.

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: For small amounts, drink water. More than a mouthful should be purged 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	May char or smolder if exposed to fire, will not burn
Extinguishing media	Water, CO ₂
Special fire fighting procedures	No special methods required
Special fire and explosion hazards	May emit corrosive fumes when charred by intense heating

Section 6. Accidental Release Measures

If spilled, sweep or vacuum. Avoid dust. Use eye protection and NIOSH approved respirator for nuisance dust. Dispose of as soil. Decontamination is unnecessary. No environmental hazards.

Section 7. Handling and Storage

Respiratory protection: If dusting occurs, use NIOSH approved respirator for nuisance dust.

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

Eye protection: Chemical splash goggles recommended where dust is expected. Safety glasses suffice otherwise.

Work practices: Use good housekeeping practices.

Ventilation: Exhaust fan recommended for dust control.

Incompatibility: Strong alkalis will release ammonia fumes.

Section 8. Exposure controls/personal protection

	CAS	OSHA PEL		ACGIH TVL	
		Total	Respirable	Total	Respirable
Nuisance dust					
Non-hazardous	N/A	15 mg/m ³	15 mg/m ³	10 mg/m ³	3 mg/m ³

Respiratory protection: Use NIOSH approved respirator for nuisance dust where dust is expected.

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

Eye protection: Chemical splash goggles recommended where dust is expected. Safety glasses suffice otherwise.

Waste disposal method: Package material to avoid dusting. Dispose of at 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	Dark brown with white specks, coarse organic solid
b) Odor	Earthy
c) Odor Threshold	No data available
d) pH	6.8 @ 10% dispersion in water
e) Melting/freezing point	Decomposes >400 F
f) Initial Boiling Point	Not applicable
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	Insoluble, except for some organic matter components with low solubility
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
9.2 Other safety Information	No data available

Section 10. Stability and Reactivity

- 10.1 Reactivity**
Strong alkalis will release ammonia fumes
- 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**
Ammonia may form if product is strongly heated or oxidized
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Section 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.

Section 12. Ecological Information

No data available

Section 13. Disposal Considerations

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

Section 14. Transport information

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 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

Section 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.