

Material Safety Data Sheet Roots Organics HP₂ 0-4-0

Last Revision: December, 2009

Emergency Phone: (541) 913-9612

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Product Identification

Name: HP₂
Chemical description: Soluble phosphate extracted from Guano
Hazardous components: None

Company: Aurora Innovations, Inc. (541) 359-1580 www.aurorainnovations.com

Physical/Chemical Characteristics

Boiling point: Above 212 F
Vapor pressure: Not determined
Vapor density: Not determined
Evaporation rate: Not determined
Melting point: NA
Specific gravity: 1.3
pH: 3.9
Solubility in water: Low concentration of soluble P2O5 as well as fine insoluble sediment suspension
Appearance: Tan to brown thick liquid
Odor: Non-offensive chalky smell

Fire 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

Reactivity Data

Stability: Stable at normal temperatures
Conditions to avoid: High pH conditions
Incompatibility: High pH or Calcium products may cause P2O5 precipitation
Hazardous decomposition: None
Hazardous polymerization: Will not occur

Spill or Leak Procedures

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

Health Effects/First Aid Information

Inhalation: Remove to fresh air, if breathing difficult, administer oxygen. Consult physician.

Eyes: Will irritate on contact, wash out quickly to remove all particulate matter.

Ingestion: If swallowed contact a physician immediately for course of action.

Skin: Avoid contact. May cause irritation. Wash with soap and water.

Carcinogenicity: Ingredients not listed as carcinogenic in NTP or IARC listings. Not OSMA regulated.

Precautions for Safe Handling and Use:

Respiratory Protection: Not normally needed.

Ventilation: Typically none is required.

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

Eye protection: Chemical splash goggles recommended where splash hazard is possible.

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

Precautions for storing and handling: Avoid storage areas with high temperatures or direct sunlight.
