

# Material Safety Data Sheet

Produce Name: PHC<sup>®</sup> Mini Plug Media Mix

Date Prepared: July 9, 2007

Chemical Identity: Dry granular mixture

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## Section I -- Manufacturer

Plant Health Care, Inc.  
440 William Pitt Way  
Pittsburgh, PA 15238

Emergency Phone #: 800-421-9051  
Phone # for Information: 412-826-5488

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## Section II -- Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV
Vermiculite (nuisance dust) 60%		3 mg/m <sup>3</sup> (Mica, respirable)
Nuisance Dust		
Respirable (TWA)	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Total (TWA)	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

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## Section III -- Physical/Chemical Characteristics

<b>Boiling Point:</b>	NA	<b>Specific Gravity:</b>	NA
<b>Vapor Pressure:</b>	NA	<b>Melting Point:</b>	>200 F
<b>Vapor Density:</b>	NA	<b>Evaporation Rate:</b>	NA

**Solubility in Water:** Insoluble  
**Appearance and Odor:** Visible vermiculite granules, and green granules mixed

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## Section IV -- Fire and Explosion Hazard Data

**Flash Point:** Not burnable      **Flammable Limits: LEL:** No Data; **UEL:** No Data

**Extinguishing Media:** Does not burn

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None

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## Section V -- Reactivity Data

**Stability:** Chemically stable      **Conditions to Avoid:** Avoid breathing dust.  
**Incompatibility (Materials to avoid):** None known.  
**Hazardous Decomposition or Byproducts:** Stable.  
**Hazardous Polymerization:** Will Not Occur.

## MSDS—PHC Mini-Plug Media Mix

### *Section VI -- Health Hazard Data*

**Route(s) of Entry:** Inhalation--Yes      Skin--No      Ingestion—Yes      Eyes: Yes

#### **Health Hazards (Acute and Chronic):**

**Acute:** Normal dust irritations. Mechanical irritation or injury if sand or mineral particles enter eye. Ingestion may irritate digestive tract. Ingredients are inert or nontoxic.

**Chronic:** This product produces fine dusts, including sand dust, which may cause delayed respiratory disease if inhaled over a prolonged period of time, continuously or intermittently.

**Carcinogenicity:** This product may contain a small amount of residual crystalline silica from sand. IARC Monographs concludes that there is "limited evidence" of the carcinogenicity of crystalline silica to humans. IARC Classification 2A. See above under "Health Hazards, Chronic".

**Signs and Symptoms of Exposure:** If excessive amounts of dust are inhaled, persons may experience coughing and respiratory irritation. Particles in eye will irritate like sand.

**Medical Conditions Generally Aggravated by Exposure:** Respiratory conditions including asthma, emphysema should avoid inhalation of dusts.

**Emergency and First Aid Procedures:** In case of respiratory irritation, remove person to fresh air. If particles lodge in eye. Rinse with water and see a physician if particles are not removed by rinsing.

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### *Section VII -- Precautions for Safe Handling and Use*

**Steps to be Taken in Case Material is Released or Spilled:** Sweep up and use as intended.

**Waste Disposal Method:** No special disposal anticipated. Product is beneficial to garden plants. Follow all local, state and Federal regulations.

**Precautions to be Taken When Handling Material:** Avoid breathing dust. Avoid getting particles in eyes. Do not ingest. Wash hands after handling.

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### *Section VIII -- Control Measures*

**Respiratory Protection:** Dust mask.

**Ventilation:** Mechanical

**Protective Gloves:** Optional.

**Eye Protection:** Safety glasses if needed.

**Other Protective Clothing or Equipment:** Apron recommended.

**Work/Hygienic Practices:** Wash hands after handling. If spilled on clothes, wash as usual.