

Material Safety Data Sheet

Identity: PHC™ Healthy Start™12-8-8 Macro Tablets

Last Update: September 22, 2008

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

Section II -- Hazardous Ingredients/Identity Information

Potentially Hazardous Components	%	OSHA PEL	NIOSH REL
Humate (Leonardite, naturally occurring mineral)	12%		
contains some crystalline silica	0.1-0.3%	0.1 mg/m ³	50µg/m ³
Selected soil bacteria beneficial for horticulture		- -	--
Ureaform		None established	
Ammoniated Phosphates		None established	
Sulphate of Potash, and Sulphate of Potash magnesia		None established	
Methylene ureas		None established	
Nuisance Dust: Respirable		5 mg/m ³	
Total		15 mg/m ³	

Section III -- Physical/Chemical Characteristics

Boiling Point:	NA	Specific Gravity:	NA
Vapor Pressure:	NA	Melting Point:	NA
Vapor Density:	NA	Evaporation Rate:	NA
Solubility in Water:	Partially soluble		
Appearance and Odor:	Gray circular tablets.		

Section IV -- Fire and Explosion Hazard Data

Flash Point: No Data **Flammable Limits; LEL:** No Data; **UEL:** No Data

Extinguishing Media: Water, fog, foam

Special Fire Fighting Procedures: Tablets will burn. Avoid stirring up excessive product dusts. Do not breathe toxic fumes of decomposition.

Unusual Fire and Explosion Hazards: Dust may be flammable.

Section V -- Reactivity Data

Stability: Chemically stable **Conditions to Avoid:** Avoid stirring up excessive product dust.

Incompatibility (Materials to avoid): Strong oxidizers.

MSDS--PHC™ Healthy Start™ 12-8-8 Macro Tablets

Section V -- Reactivity Data (continued)

Hazardous Decomposition or Byproducts: When heated to decomposition: CO, CO₂, SO₂, SO₃, hydrocarbons, ammonia, cyanic acid, formaldehyde, and small amounts of sulfuric acid.

Hazardous Polymerization: Will Not Occur

Section VI -- Health Hazard Data

Route(s) of Entry: Inhalation--Yes Skin--Yes Ingestion--Yes Eyes--Yes

Health Hazards (Acute and Chronic):

Acute: May irritate skin or eyes; may result in allergic response or infection if dust is inhaled or if product comes in direct contact with open wounds or eyes. Product dust may be irritating to nasal and respiratory passages, and/or lungs if inhaled. Avoid breathing dust. (Also, contains feather meal, and soil bacteria, to which some persons may be allergic.) Swallowing large doses may lead to gastrointestinal disturbances.

Chronic: This product can produce fine dusts, which may cause delayed respiratory disease or allergy if inhaled over a prolonged period of time, continuously or intermittently. Potentially allergenic. Avoid breathing dust. Avoid direct skin contact.

Carcinogenicity: This product may contain a small amount of **crystalline silica**. IARC Monographs concludes that there is "limited evidence" of the carcinogenicity of crystalline silica to humans. IARC Classification 2A: suspected human carcinogen.

Signs and Symptoms of Exposure: Excess inhalation of dust may result in shortness of breath, and reduced pulmonary function, and possibly, respiratory infection. Local infection may result if product contacts open wounds or eyes. Can cause eye irritation or allergic respiratory or skin response. See above under "Health Hazards, Acute and Chronic".

Medical Conditions Generally Aggravated by Exposure: Individuals with any pulmonary and/or respiratory disease such as asthma, bronchitis, etc. should not be exposed to product's dust. Use good hygiene practices. Persons with compromised immune systems, such as those with advanced AIDS, or taking antirejection drugs, or undergoing chemotherapy, should contact their physician before handling bacterial products.

Emergency and First Aid Procedures: If material is ingested, drink water, induce vomiting, call a physician. If dust is inhaled, remove to fresh air, give oxygen if needed; give artificial respiration if needed, get medical attention. Watch for possible allergic response, or later development of respiratory infection. In case of skin contact, wash area with soap and water. In case of contact with an open wound, wash with soap and water, and use an over-the-counter approved external antiseptic. Watch for possible infection. If material gets into eyes, flush with water, see physician if discomfort persists; watch for possible infection.

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Section VII -- Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Avoid stirring up excessive dust. Wet down and sweep up and collect excess material with adequate ventilation, and use the product as directed. Rinse area with water containing a disinfectant if spilled in dining or living quarters. Residue will not harm drains or sewers. Avoid breathing product's dust.

Waste Disposal Method: Collect excess and apply to trees, or plants as originally intended. Material is biodegradable, and does not contain pesticides.

Precautions to be Taken when Handling Material: Avoid stirring up excessive dust. Avoid ignition of dust. Avoid inhaling dust. Use nonporous gloves when handling. Do not eat, drink, or smoke while handling this product. Wash hands thoroughly before eating, drinking or smoking.

Other Precautions: Use good hygiene practices. The bacteria contained in this product are strains of typically harmless soil and water bacteria, and do not cause infections under normal circumstances. However, reasonable precautions are in order. Handle as you would rich, dark soil or compost: keep it out of your mouth, eyes, lungs, and broken skin. Wash hands after handling. Do not eat, drink, or smoke while handling the product. If clothes are heavily soiled with product, wash separately from other clothes.

Section VII -- Control Measures

Respiratory Protection: Dust mask. Use NIOSH/MSHA approved respirator where TLV limits for crystalline silica may be exceeded.

Ventilation: During production, use any means adequate to avoid buildup of concentrations above the TLV or PEL, or of explosive airborne concentrations, such as mechanical ventilation, hood, good engineering controls, etc. No ventilation needed for normal product use.

Protective Gloves: Rubber, latex, vinyl, or other impervious gloves

Eye Protection: None required unless eye contact is likely.

Other Protective Clothing or Equipment: Apron recommended.

Work/Hygienic Practices: The bacteria contained in this product are strains of typically harmless soil and water bacteria, and do not cause infections under normal circumstances. However, reasonable precautions are in order. Handle as you would rich, dark soil or compost: keep it out of your mouth, eyes, lungs, and broken skin. Wash hands after handling. If clothes are heavily soiled with product, wash separately from other clothes.
