



## PHC™ Colonize™ T&O

**Hazardous Polymerization:** Will Not Occur

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### *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; Could cause skin rash, with swelling and itching in allergic individuals. Product dust or spray mist may be irritating to nasal and respiratory passages, and/or lungs if inhaled. May result in infection if product comes in direct contact with lungs, eyes or open wounds.

**Chronic:** This product produces fine dusts, which may cause delayed respiratory disease if inhaled over a prolonged period of time, continuously or intermittently. Potentially allergenic. Repeated or prolonged skin contact with powder or dissolved product may result in allergic skin rash in sensitive individuals.

This product contains a significant amount (2.2% by weight) of an insoluble isoflavanoid compound classed as a **phytoestrogen**, which can mimic the effects of the hormone estrogen in mammals. Avoid prolonged skin contact to preclude the possibility of skin absorption of the hormonal compound. Also avoid breathing of spray mist of dissolved product.

**Carcinogenicity:** None Known

**Signs and Symptoms of Exposure:** Excess inhalation of airborne dusts or mist may result in shortness of breath and reduced pulmonary function. Infection, irritation and/or allergic reaction may result if product contacts eyes, or open wounds. See above under "Health Hazards, Chronic".

**Medical Conditions Generally Aggravated by Exposure:** Due to the phytoestrogenic effects of a major active ingredient in this product, pregnant women should avoid exposure. Individuals with any pulmonary and/or respiratory disease such as asthma, bronchitis, etc. should not be exposed to dust or mist. Raw, broken or irritated skin may be sensitive to exposure to this product. Eyes and open wounds could potentially become irritated or infected if contacted by dry or dissolved product. Persons with compromised immune systems, such as those with AIDS, or those undergoing chemotherapy or receiving anti-rejection drugs should contact their physician before handling bacterial products. Avoid inhaling its dust or aqueous spray mist. Anyone susceptible to infections from exposure to common bacteria should see their physician before handling bacterial products.

**Emergency and First Aid Procedures:** If material is ingested, drink water, call a physician. Treat symptoms. If inhaled, remove to fresh air, give oxygen if needed; give artificial respiration if needed, get medical attention. Watch for 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 infection. If material gets into eyes, flush with water, see physician if discomfort persists, watch for infection.

**Other Health Related Data:** This product contains a small amount (2.2% by weight) of an insoluble isoflavanoid compound classed as a **phytoestrogen**, which can mimic the effects of the hormone estrogen in mammals. Avoid prolonged skin contact to preclude the possibility of skin absorption of the hormonal compound. Also avoid breathing of spray mist of dissolved product.

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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 spilled material lightly before sweeping to prevent producing airborne dusts. Then sweep up and collect excess material with adequate ventilation, and use the product as directed. If spilled in residential living quarters or dining area, clean area with water containing a disinfectant. Residue will not harm drains or sewers. Beware of slippery floors when material becomes wet, or if spillage occurs in wet areas.

**Waste Disposal Method:** Dilute excess or spilled product according to usage, and apply to grass, trees, or ornamental plants as originally intended. Follow application with irrigation. Material is biodegradable, and does not contain pesticides

**Precautions to be Taken in Storage and Handling:** Avoid stirring up excessive dust. Avoid ignition of dust. Avoid inhaling dust or aqueous spray mist of product. Use nonporous gloves are recommended to avoid direct skin contact. 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. Avoid prolonged skin contact. Gloves recommended.

**Other Precautions:** Wash hands after handling. Use normal hygiene practices. If spilled on clothes, wash separately. 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. Keep it out of your mouth, eyes, lungs, and broken skin. See First Aid.

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### *Section VII -- Control Measures*

**Respiratory Protection:** Dust mask, good work practices, adequate ventilation.

**Ventilation:** Dust mask, and 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.

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

**Eye Protection:** Safety goggles recommended where eye contact could occur.

**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. Keep it out of your mouth, eyes, lungs, and broken skin. Do not eat, drink, or smoke when handling product. Wash hands after handling. If spilled heavily on clothes, wash separately from other clothes.

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