

# Material Safety Data Sheet



Date Reviewed and Issued: September 17, 2010

MSDS# 1003

## Section 1. Identification: Professional Growing Media- Peat Based with mychorrhizae

### Product Names:

- Sunshine Advanced #4 Growing Mix
- Sunshine Advanced Super Hydro
- Sunshine Advanced Rain Forest Blend
- Sunshine Advanced Ultra Coir

### Manufacturer/Supplier:

Sun Gro Horticulture Canada Ltd.  
P.O. Box 189  
Seba Beach, AB T0E 2B0

### For more information call:

Western Region 1-888-797-7328  
Central Region 1-888-982-4500  
Eastern Region 1-888-896-1222

For more information: [www.sungro.com](http://www.sungro.com)

Product Uses: Horticulture

## Section 2. Hazardous Ingredient & Composition

Component	CAS#	OSHA PEL		ACGIH TLV	
		Total	Respirable	Total	Respirable
Nuisance dust	Not Applicable	15 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>

**Comments:** This product is not considered to be hazardous in accordance with the OSHA Hazard Communication Standard 29 CFR 1910.1200, Health Hazard. The product is classified by ACGIH as a "Nuisance Dust" or "Particulates Not Otherwise Classified" (PNOC). See product label for ingredients and product specific information.

## Section 3. Physical/Chemical Characteristics

**Physical State:** Solid  
**Appearance:** Granular, soil-like  
**Color:** Brown, Beige, earthy color  
**Odor:** Earthy  
**pH:** 3.5 to 7.5  
**Density:** 100-200 g/l or 6-12 lb/cubic foot

**Boiling Point:** Not applicable  
**Vapor Pressure:** Not applicable  
**Solubility in Water:** Not applicable  
**Melting point:** Not applicable  
**Evaporation rate:** Not applicable  
**Specific gravity:** Not applicable

## Section 4. Fire and Explosion Hazard Data

**Flash Point:** Not Applicable

**Flammable Limits:** Not Applicable  
**Extinguishing Media:** Water, fog or spray  
**Special Fire Fighting Procedures:** None. Caution, burning may continue inside bags or piles after surface fire is out. Break bags or separate pile to assure that the fire is extinguished. The thermal decomposition products are those commonly observed with natural products such as wood or other vegetative matter.  
**Unusual Fire and Explosion Hazards:** None

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## Section 5. Stability and Reactivity

**Stability:** Stable  
**Conditions to Avoid:** See label. Strong winds. Keep away from heat, sparks and open flames.  
**Incompatibility:** None known  
**Hazardous Decomposition or Byproducts:** High temperatures or fire may produce irritating gases and vapors.  
**Polymerization:** Will not occur  
**Incompatible Materials:** None known

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## Section 6. Health Hazard Data

**Routes of Entry:** Inhalation, open wounds and eyes  
**Health Hazards:** Nuisance dust. See product label for ingredients  
**Carcinogenity:** None known  
**Effects of Exposure:** Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism, irritate mucous membranes and make lungs more vulnerable to respiratory disease.  
**Emergency and First Aid Procedures:** If inhaled, provide fresh air. If eye irritation occurs, flush with water. Keep open wounds covered and clean as suggested by any good program of hygiene.  
**Other Concerns:** Keep out of reach of children and pets.

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## Section 7. Toxicological Information

**General Comments:** Inhalation of dust may irritate nose, throat and lungs. Eye contact with solids may produce irritation, tearing or blinking as a foreign body in the eye.

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## Section 8. Precautions for Safe Handling and Use

- Steps to be taken in case material is spilled:** Use methods to clean spill which avoid creating airborne dust.
- Waste Disposal Method:** According to EPA 40 CFR 261.3, waste of this product is not defined as hazardous. Dispose of all waste in accordance with federal, state and local regulations.
- Precautions to be taken in handling and storage:** If excessive dust is created avoid breathing dust by using adequate ventilation and/or using NIOSH or MSHA approved respirator for nuisance dust of this type. Breathing dust may be harmful to your health.
- Other Precautions:** Protective eyewear should be worn where dust levels are high enough to cause irritation.
- Ecological Information:** Keep out of lakes, streams or ponds.

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## Section 9. Control Measures

- Respiratory Protection:** If dust is created use NIOSH or MSHA approved respirator for nuisance dust of this type.
- Ventilation:** Local exhaust advisable if excessive dust is created.
- Protective Gloves:** Not normally necessary but suggested in cases of open wounds that are not appropriately protected.
- Eye Protection:** Protective eyewear should be worn where dust levels are high enough to cause irritation.
- Other Protective Clothing or Equipment:** Normal work clothing
- Work/Hygienic Practices:** NIOSH or MSHA approved respirator, eye protection and ventilation under conditions where excessive dust is created. Open wounds should be kept clean and suitably protected.

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## Section 10. Supplemental Information

These materials are made from natural products and may contain naturally occurring microorganisms. Proper precautions are advised to prevent infection of open wounds, inhalation of excessive amounts of dust and eye irritation. The proper hygiene practices necessary to prevent health hazards from any naturally occurring substance such as soil, bark, etc., should be observed.

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